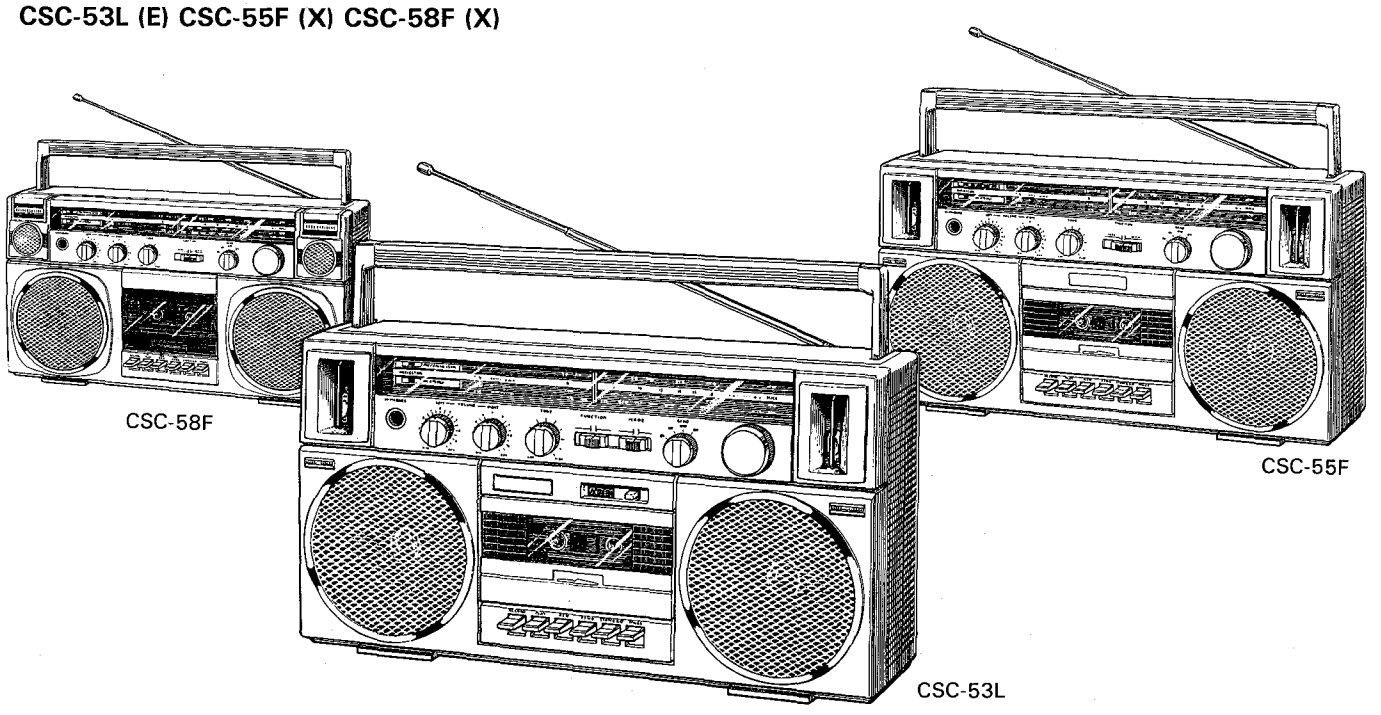
SERVICE MANUAL

CROWN JAPAN

CSC-53,55,58

CSC-53L (E) CSC-55F (X) CSC-58F (X)



Portable Type Stereo Cassette Tape Recorder with 4-Band Radio.

SPECIFICATIONS

■ RADIO SECTION

		55F (X), 58F (X)	53L (E)
Frequency Range	FM:	88 ~ 108 MHz	FM: 88 ~ 108 MHz
	SW2:	7.5 ~ 21.5 MHz	SW: 6 ~ 18 MHz
	SW1:	2.5 ~ 7.5 MHz	MW: 510 ~ 1605 kHz
	MW:	510 ~ 1605 kHz	LW: 150 ~ 300 kHz
Usable Sensitivity	FM:	10 μV	FM: 10 μV
	SW2:	50 μV	SW: 50μV
	SW1:	800 μV/m	MW: 800 μV/m
	MW:	800 μV/m	LW: 1800 μV/m
IF	FM:	10.7 MHz	FM: 10.7 MHz
	AM:	455 kHz	AM: 465 kHz
MPX Separation	FM:	18 dB	
Frequency Response	FM:	250 Hz ~ 8 kHz ± 6 dB	
	MW:	250 Hz ~ 2.2 kHz ± 6 dB	

■ TAPE RECORDER SECTION

Recording System.....DC Bias, 4-track 2-channel, Stereo F (X)
AC Bias, 4-track 2-channel, Stereo L (E)
Erase System.....DC Erase
Tape Speed.....4.75 cm/sec. +3/−2%
Wow and Flutter.....0.3% (Play, JIS RMS)

■ AUDIO SECTION

Output Power.....1.5 W per channel (10% T.H.D.) DC

■ GENERAL

Power Source.....AC: 117/220 V 50/60 Hz F(X)
AC: 220V L(E)
DC: 9 V (6 × UM-1)
Dimensions.....440(W) × 235(H) × 130(D) mm
Weight.....3 kg

CROWN RADIO CORP. JAPAN

DISASSEMBLY

1. Removal of Front Cabinet

1) Remove the 5 screws (1 through 5) shown in Fig. A.
2) Depress the eject button.
3) Pull and remove the knobs.

Note: When removing the front cabinet, be careful not to damage the speaker lead.

2. Removal of Mechanism

Remove the 4 screws (1 through 4) shown in Fig. B.

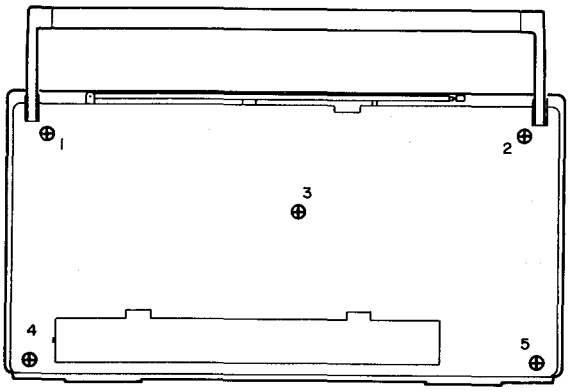


Fig. A

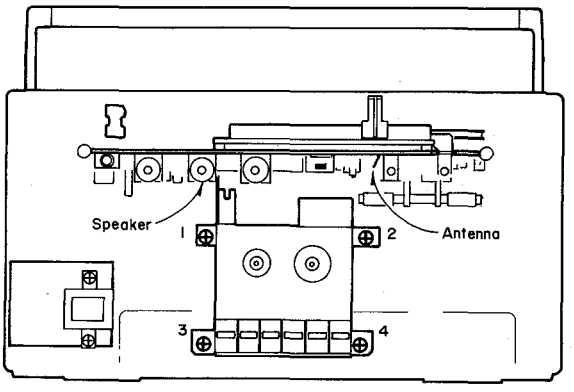
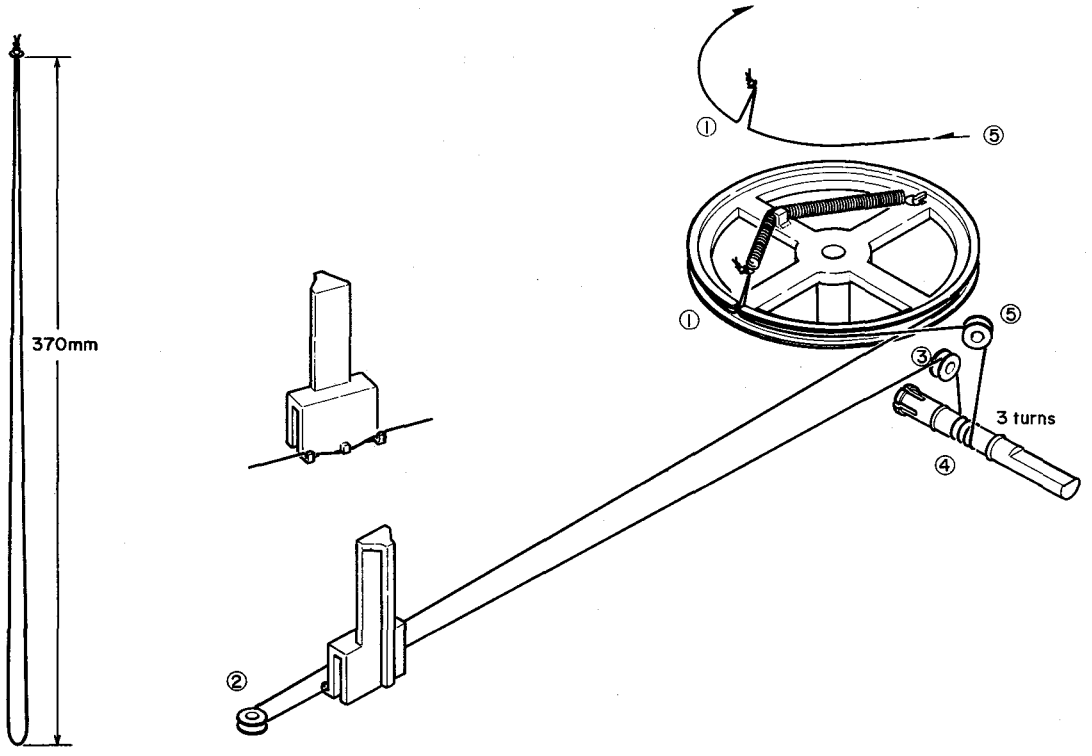


Fig. B

3. Dial Cord Stringing View

1) Insert both ends of the dial cord into the grommet. Tie the ends together so that a loop is formed. Secure the dial cord by crashing the grommet. Thread the dial cord throught the coil spring.
2) Arrange the dial cord in the numerical order while holding one end of the cord, then engage the coil spring as shown.



ELECTRICAL ADJUSTMENTS

1. AM Alignment

Adjustment	Equipment Connection	Step No.	Generator Frequency	Tuning	Location to be Adjusted
IF	● AM Signal generator ● Sweep/marker generator ● Oscilloscope ● AC voltmeter ● Loop antenna ● Load resistance ● Dummy antenna ● Frequency counter Connect measuring instruments as shown in Fig. 1 and Fig. 2.	1	455 kHz		AM, IFT. (T107) Fig. 1.
		2	Repeat Step 1 to obtain Maximum Output.		
MW Band		3	505 kHz (Mod.)	505 kHz	Oscillator coil (T106) Fig. 2.
		4	1650 kHz (Mod.)	1650 kHz	Trimmer condenser (TC106)
		5	Repeat Steps 3 and 4 two or three times to adjust f. cover.		
MW Tracking		6	610 kHz (Mod.)	610 kHz	Bar antenna (L104)
		7	1400 kHz (Mod.)	1400 kHz	Trimmer condenser (TC103)
		8	Repeat Steps 6 and 7 two or three times to obtain maximum sensitivity.		
SW_1 Band		9	2.4 MHz (Mod.)	2.4 MHz	Oscillator coil (T105)
		10	7.6 MHz (Mod.)	7.6 MHz	Trimmer condenser (TC107)
		11	Repeat Steps 9 and 10 two or three times to adjust f. cover.		
SW_1 Tracking		12	3.2 MHz (Mod.)	3.2 MHz	Antenna coil (T104)
		13	6.8 MHz (Mod.)	6.8 MHz	Trimmer condenser (TC104)
		14	Repeat Steps 12 and 13 two or three times to obtain maximum sensitivity.		
SW_2 Band		15	7.3 MHz (Mod.)	7.3 MHz	Oscillator coil (T104)
		16	22 MHz (Mod.)	22 MHz	Trimmer condenser (TC108)
		17	Repeat Steps 15 and 16 two or three times to adjust f. cover.		
SW_2 Tracking		18	9 MHz (Mod.)	9 MHz	Bar antenna (L103)
		19	20 MHz (Mod.)	20 MHz	Trimmer condenser (TC105)
		20	Repeat Steps 18 and 19 two or three times to obtain maximum sensitivity.		

○ Set the internal modulation signal generator to 30%, 400 Hz of each.
○ Use only nonmetallic alignment tools to insure proper alignment.

ELECTRICAL ADJUSTMENT

2. AM Alignment

Adjustment	Equipment Connection	Step No.	Generator Frequency	Tuning	Location to be Adjusted
IF	● AM Signal generator ● Sweep/marker generator ● Oscilloscope ● AC voltmeter ● Loop antenna ● Load resistance ● Dummy antenna ● Frequency counter Connect measuring instruments as shown in Fig. 1 and 2.	1	465 kHz (E) 465 kHz (UK)		AM, IFT. (T107) Fig. 1.
		2	Repeat Steps to obtain Maximum Output.		
MW Band		3	505 kHz (Mod.)	505 kHz	Oscillator coil (T105) Fig. 2.
		4	1650 kHz (Mod.)	1650 kHz	Trimmer condenser (TC107)
		5	Repeat Steps 3 and 4 two or three times to adjust f. cover.		
MW Tracking		6	610 kHz (Mod.)	610 kHz	Bar antenna (L104)
		7	1400 kHz (Mod.)	1400 kHz	Trimmer condenser (TC104)
		8	Repeat Steps 6 and 7 two or three times to obtain maximum sensitivity.		
SW Band		9	5.85 MHz (Mod.)	5.85 MHz	Oscillator coil (T104)
		10	18.5 MHz (Mod.)	18.5 MHz	Trimmer condenser (TC108)
		11	Repeat Steps 9 and 10 two or three times to adjust f. cover.		
SW Tracking		12	7 MHz (Mod.)	7 MHz	Antenna coil (T103)
		13	16 MHz (Mod.)	16 MHz	Trimmer condenser (TC105)
		14	Repeat Steps 12 and 13 two or three times to obtain maximum sensitivity.		
LW Band		15	145 kHz (Mod.)	145 kHz	Oscillator coil (T106)
		16	310 kHz (Mod.)	310 kHz	Trimmer condenser (TC106)
		17	Repeat Steps 15 and 16 two or three times to adjust f. cover.		
LW Tracking		18	180 kHz (Mod.)	180 kHz	Bar antenna (L104)
		19	280 kHz (Mod.)	280 kHz	Trimmer condenser (TC103)
		20	Repeat Steps 18 and 19 two or three times to obtain maximum sensitivity.		

○ Set the internal modulation signal generator to 30%, 400 Hz of each.
○ Use only nonmetallic alignment tools to insure proper alignment.

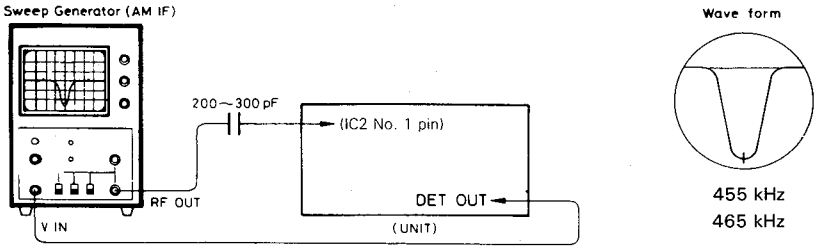


Fig. 1

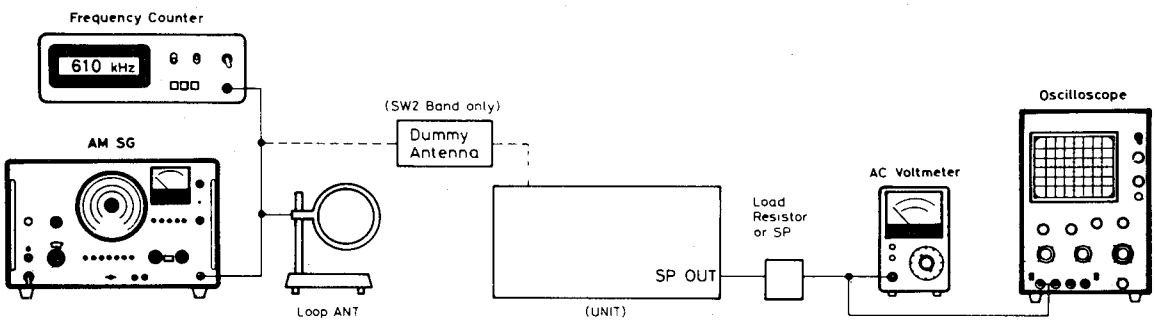


Fig. 2

3. FM Alignment

Adjustment	Equipment Connection	Step No.	Generator Frequency	Tuning	Location to be Adjusted
IF	● FM Signal generator ● FM Sweep/marker generator ● Oscilloscope ● AC voltmeter ● Dummy antenna ● Load resistance ● Frequency counter Connect measuring instruments as shown in Fig. 3 and 4.	1	10.7 MHz (Mod.)		FM, IFT (T101, 102) (Marker should appear in the middle of "S" curve). Fig. 3.
		2	Repeat Steps to obtain Maximum Output.		
FM Band		3	87 MHz (Mod.)	87 MHz	Oscillator coil (L103) Fig. 4.
		4	108.5 MHz (Mod.)	108.5 MHz	Trimmer condenser (TC102)
		5	Repeat Steps 3 and 4 two or three times to adjust f. cover.		
FM Tracking		6	90 MHz (Mod.)	90 MHz	Tuning coil (L102)
		7	106 MHz (Mod.)	106 MHz	Trimmer condenser (TC101)
		8	Repeat Steps 6 and 7 two or three times to obtain maximum sensitivity.		

○ Use only nonmetallic alignment tools to insure proper alignment.

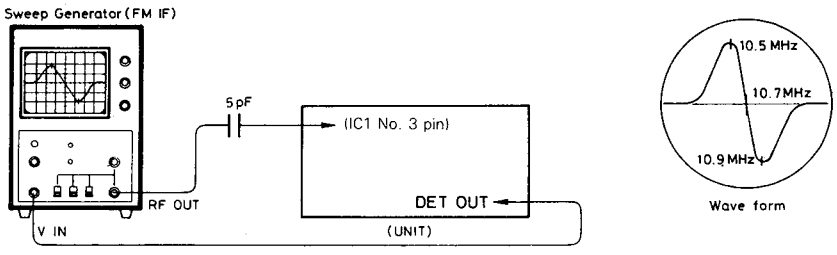


Fig. 3

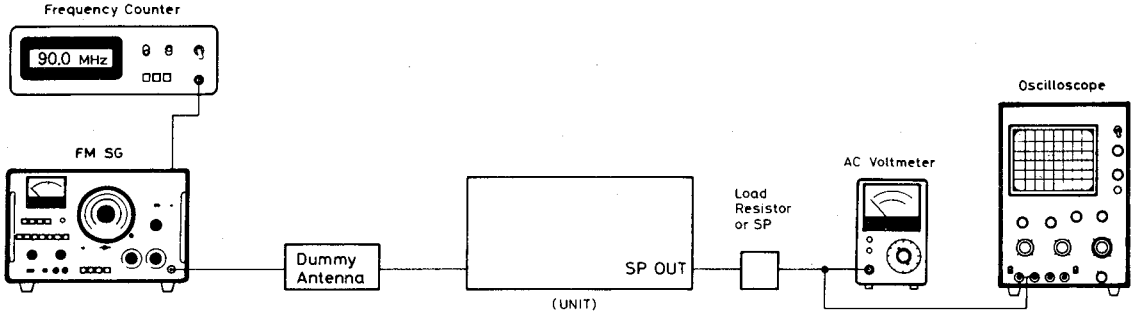


Fig. 4

4. FM MPX Adjustment

Connect test instrument as shown in Fig. 5.

1) 76 kHz Adjustment

Connect frequency counter to T.P (VR101) and earth, adjust the semi-fixed resistor VR101 for reading of 76 kHz on the counter.

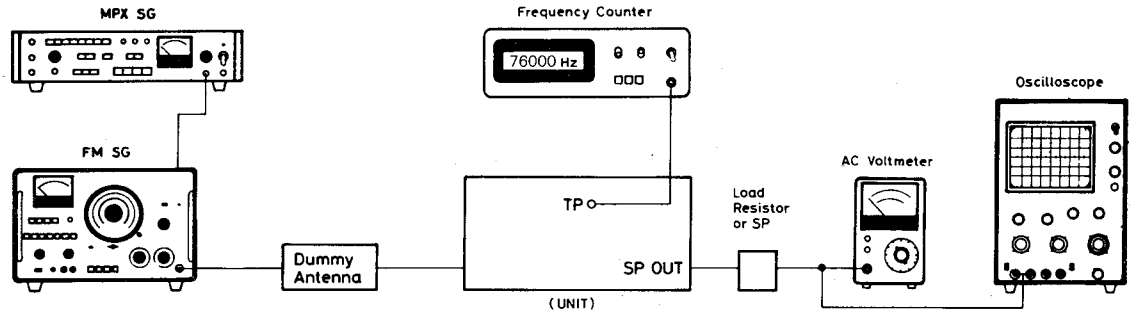
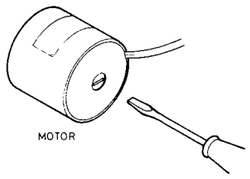


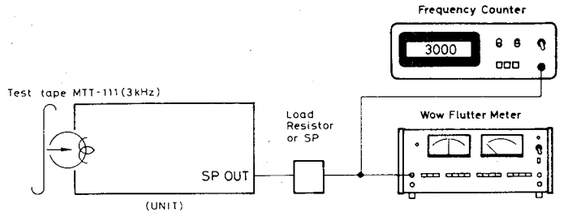
Fig. 5

MECHANICAL ADJUSTMENT

1. Tape Speed Adjustment

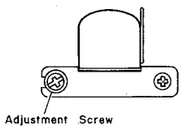
Operate the unit for 2 minutes in playback mode. Then connect a frequency counter to SP OUT, play a standard tape (f = 3 kHz). Insert a screwdriver through the adjusting hole on the motor and adjust the semi-fixed resistor until the frequency counter reads 3 kHz.

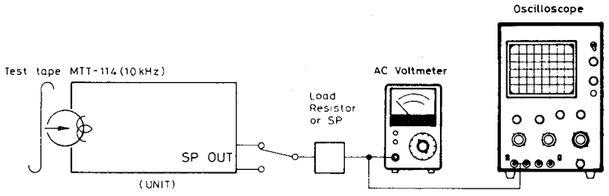




2. Head Azimuth Adjustment

With AC. V.M. connected to L and R channels SP OUT, play a standard tape (10 kHz, −10 dB). Turn the head azimuth adjusting screw for a maximum and same reading on L and R channels AC. V.M. After the adjustment, secure the screw with a locking paint.





3. Take-up Torque

40 ~ 70 g-cm

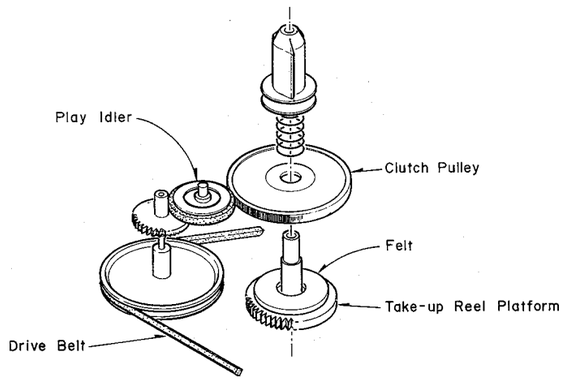
Measure on the take-up reel platform operating in play. If less than 40 g-cm, check to see if it is caused by slippage between the reel platform and the play idler.

(1) If found to be slipping, wipe and clean the rubber portion of the play idler, take-up reel platform, clutch pulley, drive belt using alcohol.

(2) If the reel platform itself is the cause of the slippage replace the reel platform.

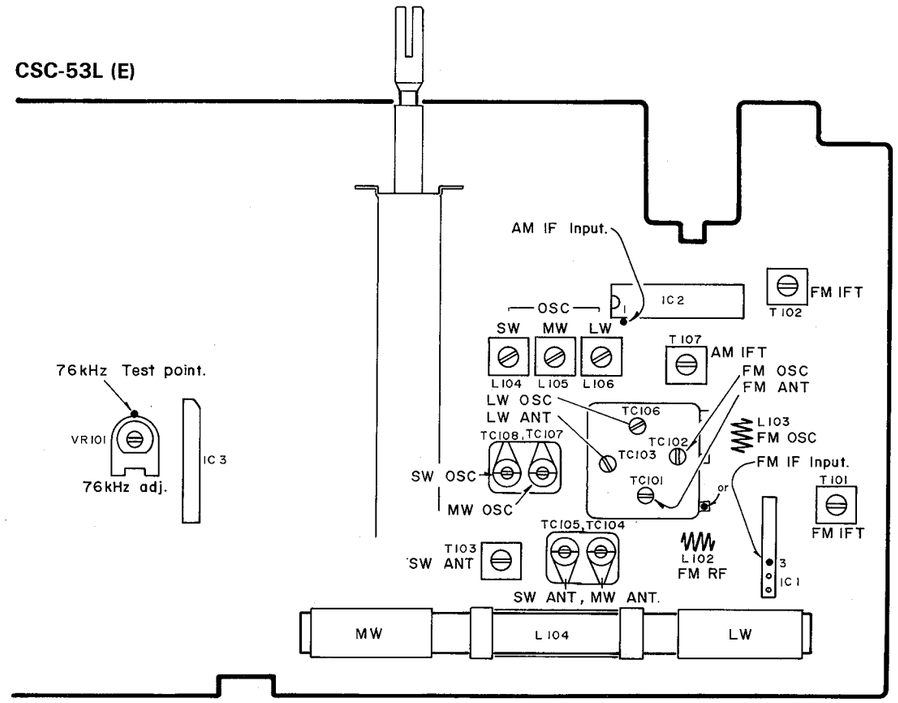
Tape Head Demagnetization

The tape head may be magnetized if a magnetized tool is brought close to it or the tape deck is used for an extended period of time. When the head is magnetized, the result is a loss of hight frequency or an increase of noise in tape. Magnetized tape head should be demagnetized by using a head demagnetizer.

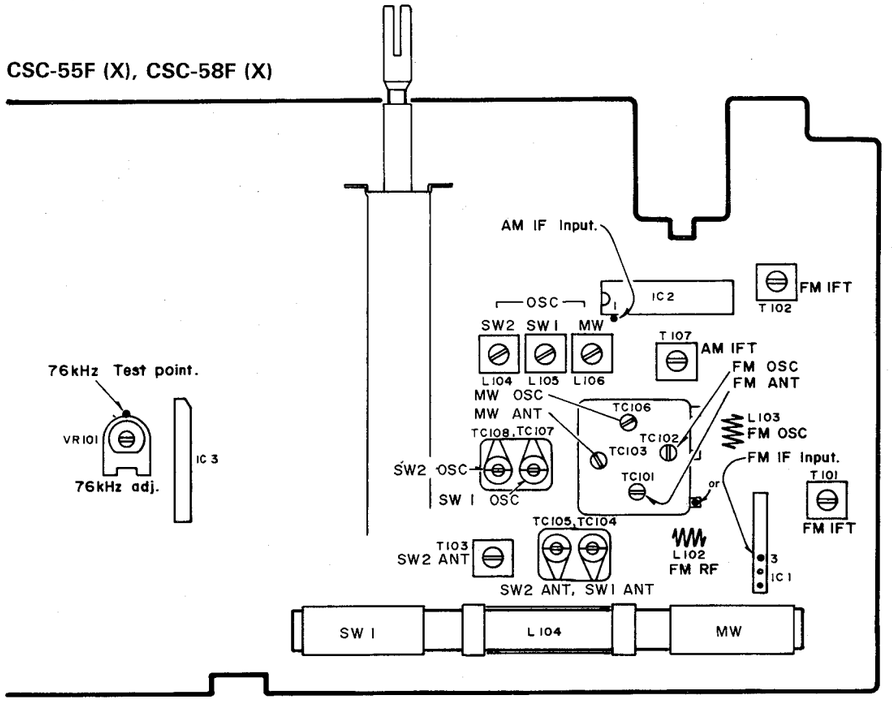


ADJUSTMENT POINTS

CSC-53L (E)

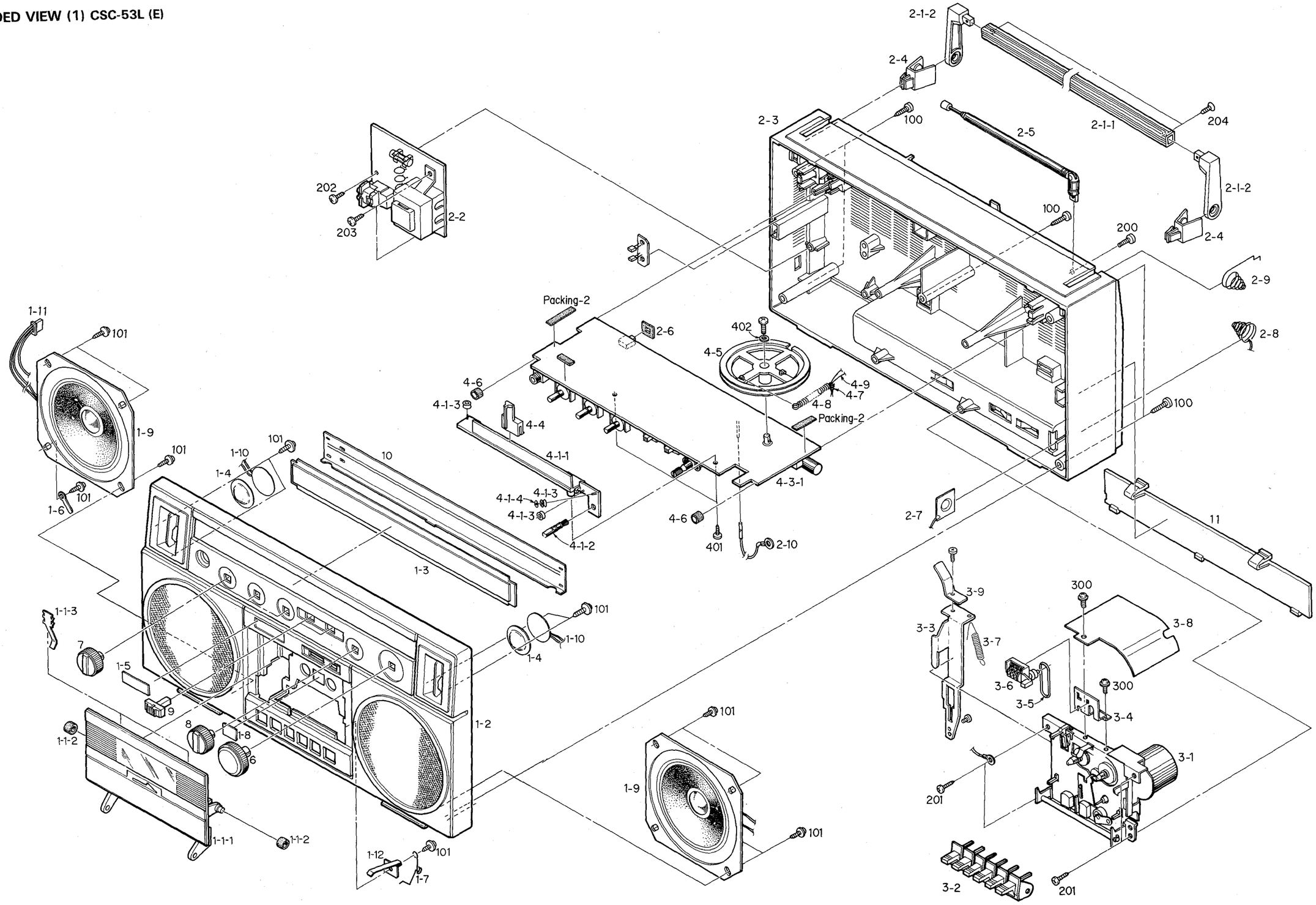


CSC-55F (X), CSC-58F (X)



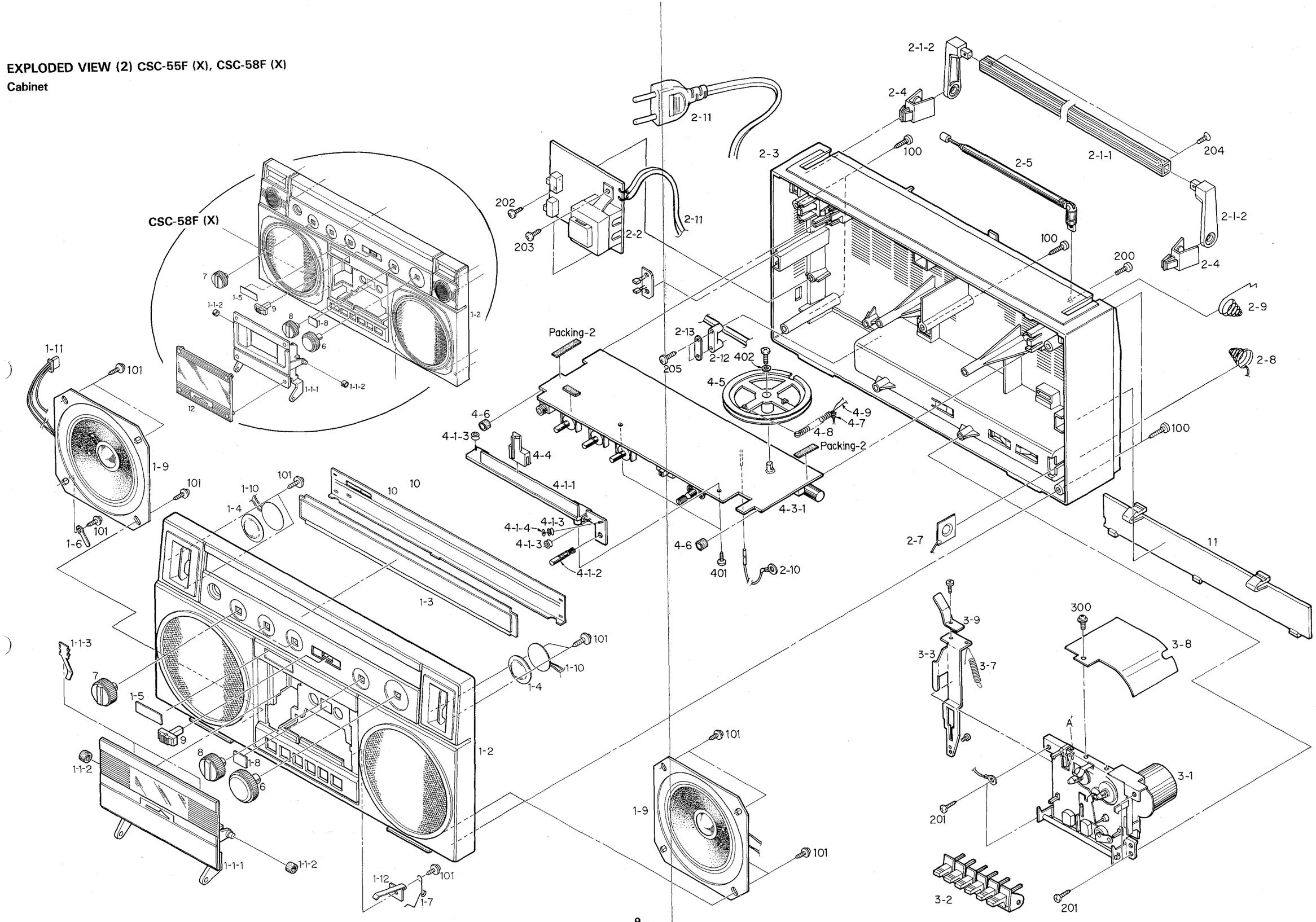
EXPLODED VIEW (1) CSC-53L (E)

Cabinet



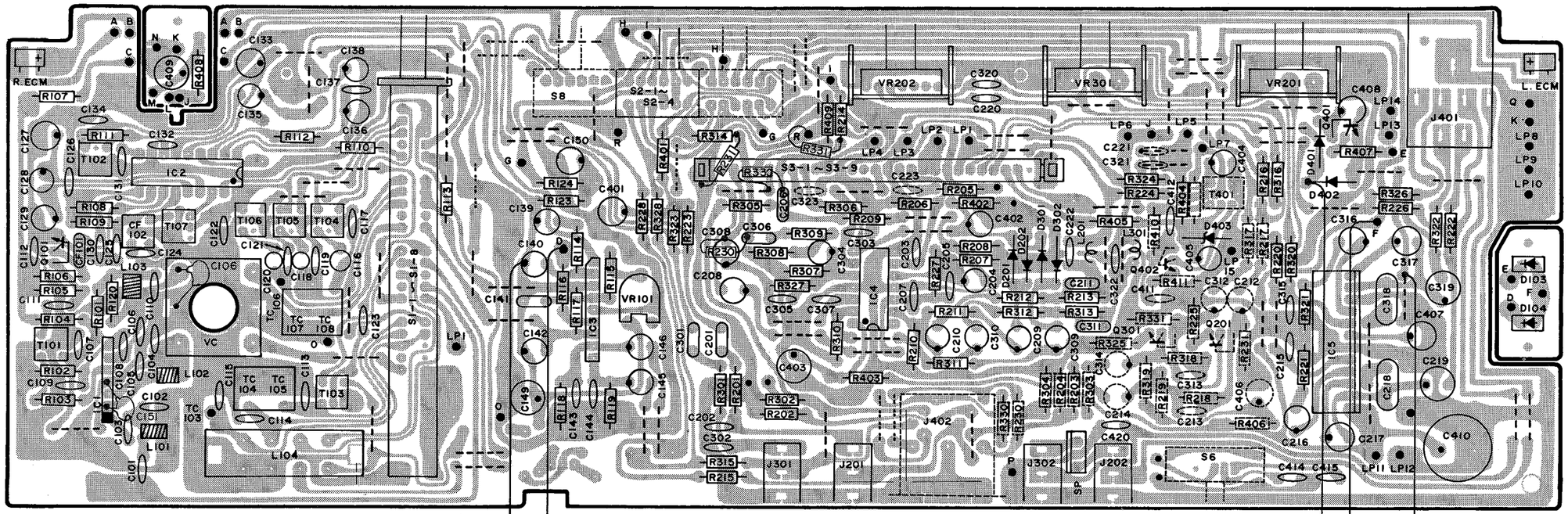
EXPLODED VIEW (2) CSC-55F (X), CSC-58F (X)

Cabinet



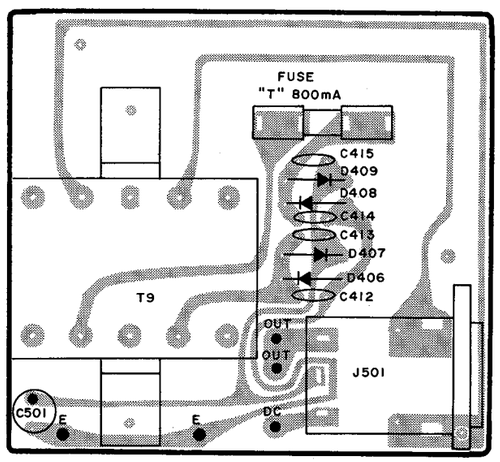
WIRING BOARD LAYOUT CSC-53L (E), CSC-55F (X), CSC-58F (X)

R230, 231, 330, 331 are used for only CSC-55F(X)

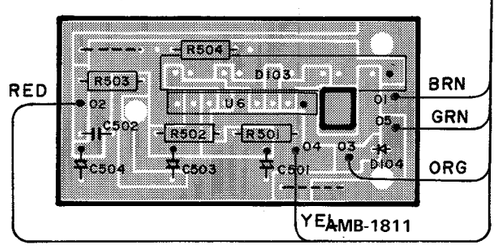


GRN ORG RED BRN YEL

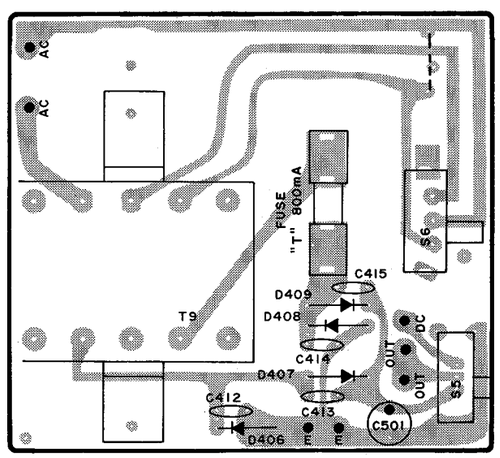
Use only CSC-53L (E)



Use only CSC-55F (X)

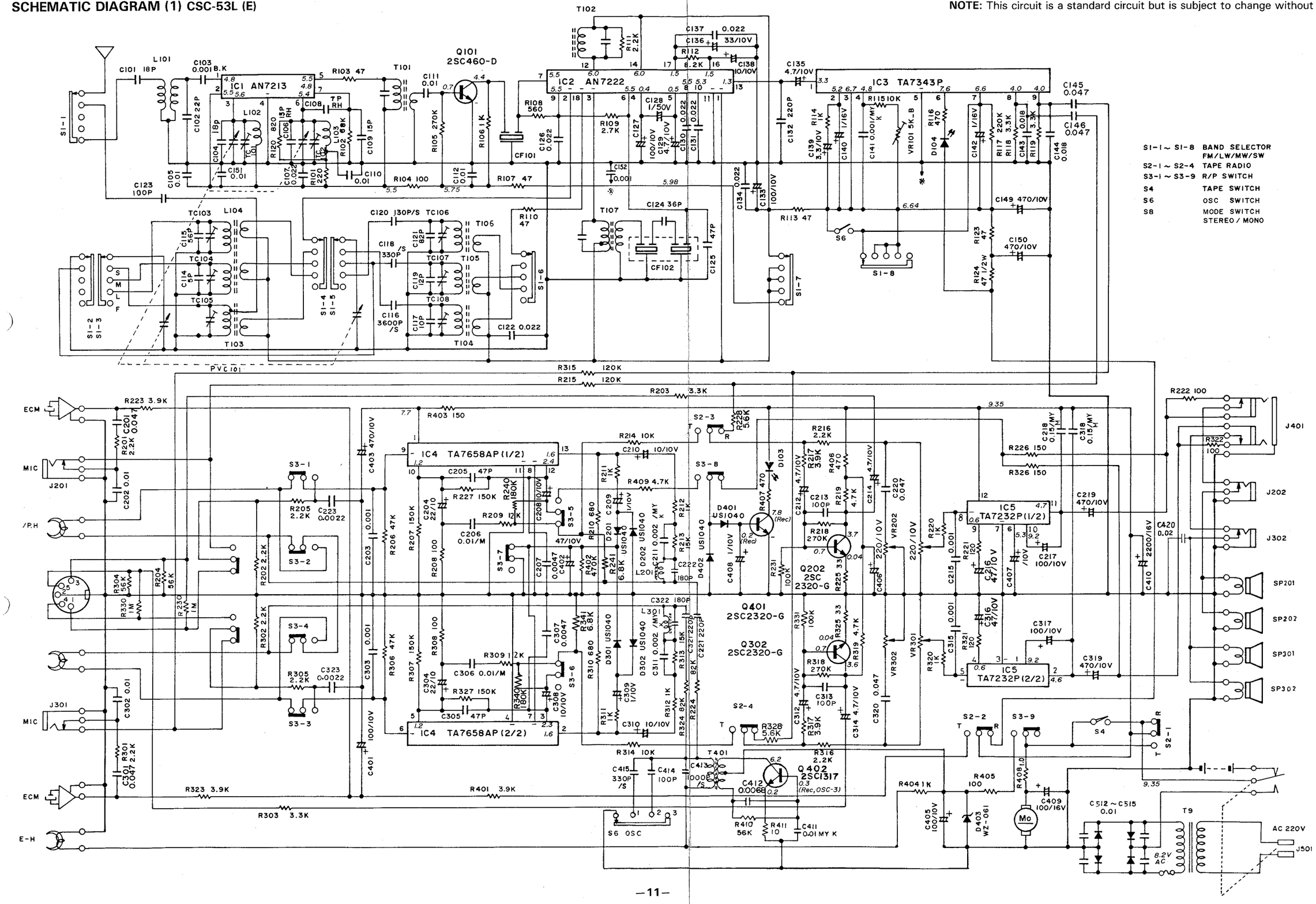


Use only CSC-55F (X), CSC-58F (X)



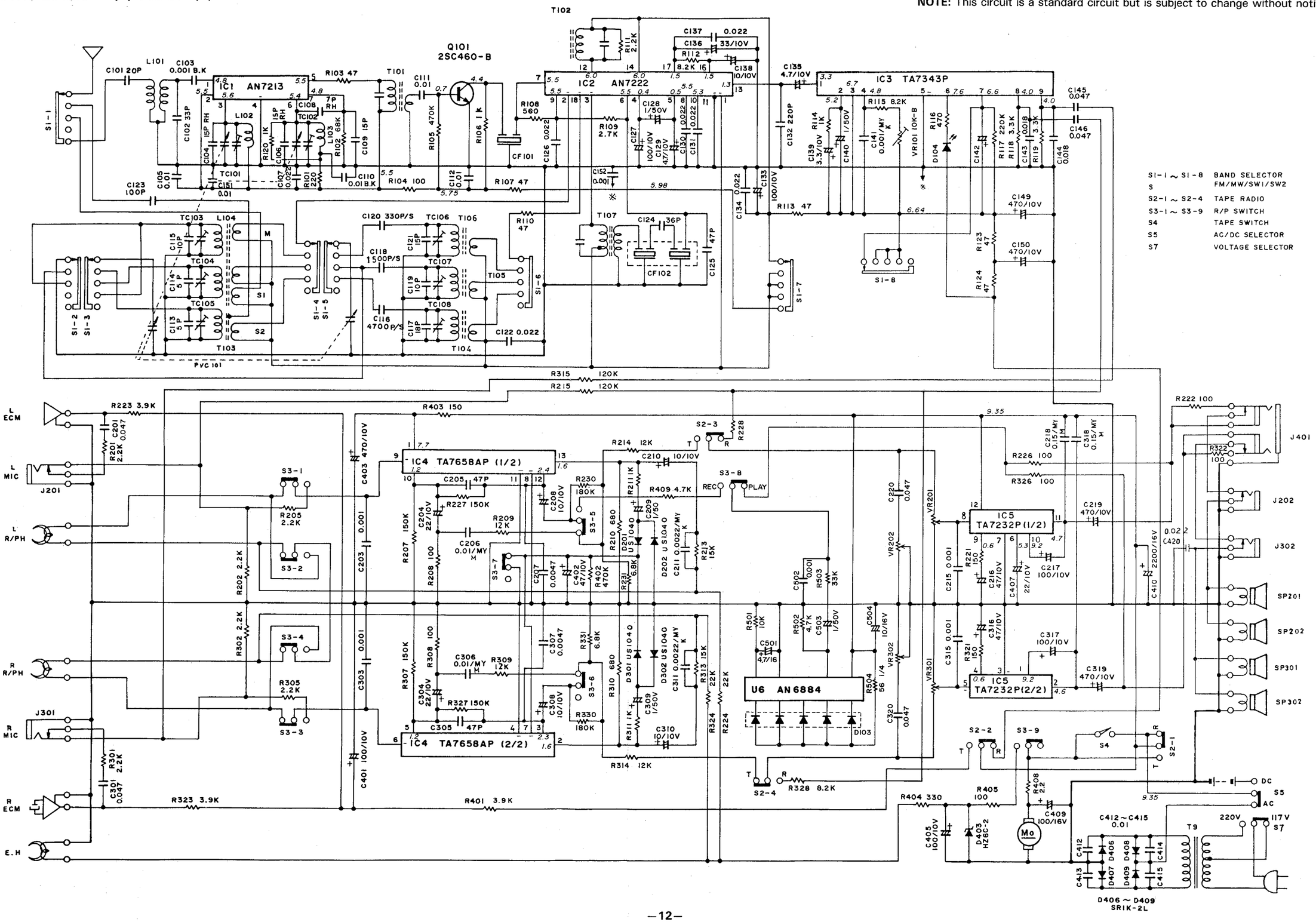
SCHEMATIC DIAGRAM (1) CSC-53L (E)

NOTE: This circuit is a standard circuit but is subject to change without notice.



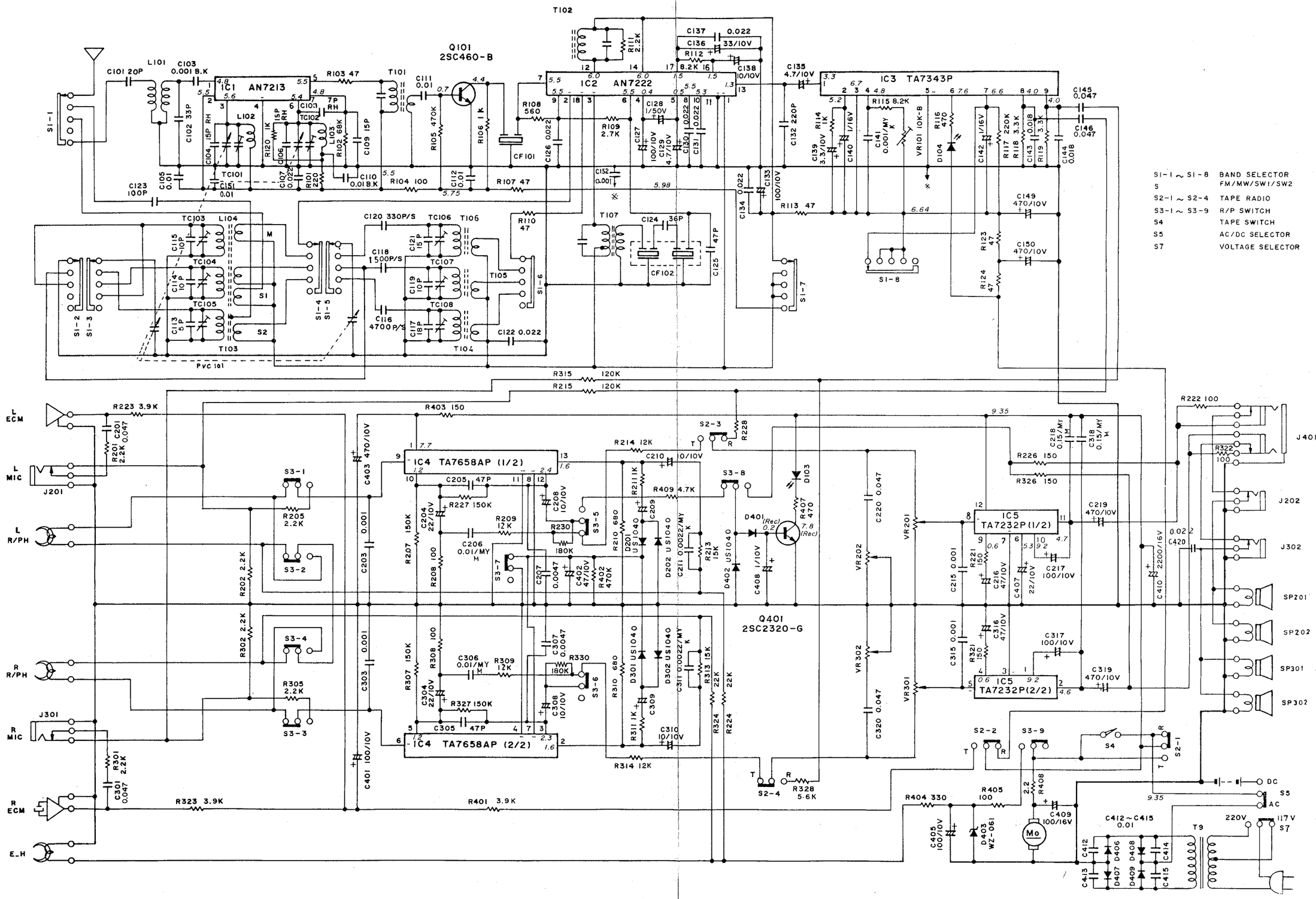
SCHEMATIC DIAGRAM (2) CSC-55F (X)

NOTE: This circuit is a standard circuit but is subject to change without notice.

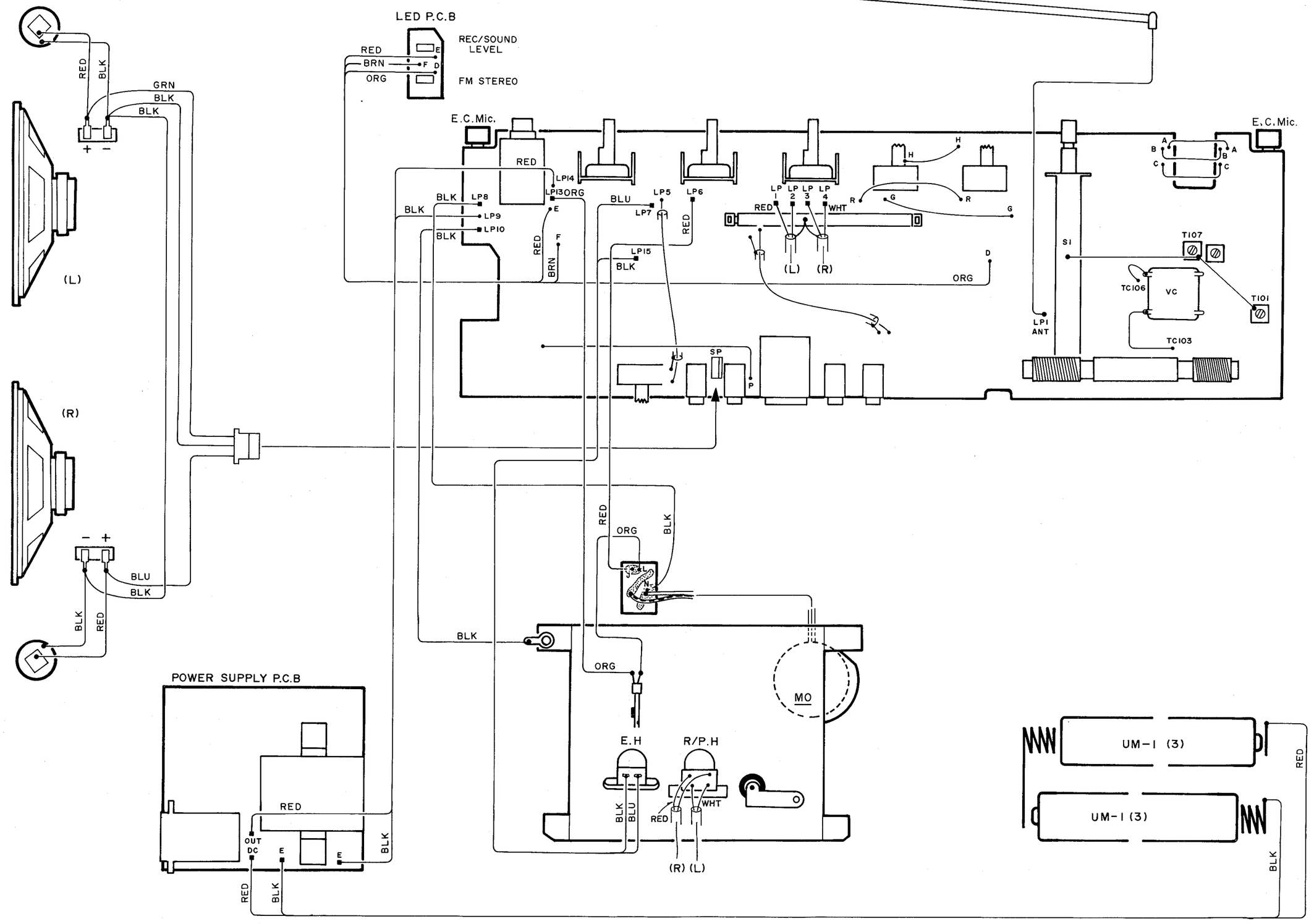


SCHEMATIC DIAGRAM (3) CSC-58F (X)

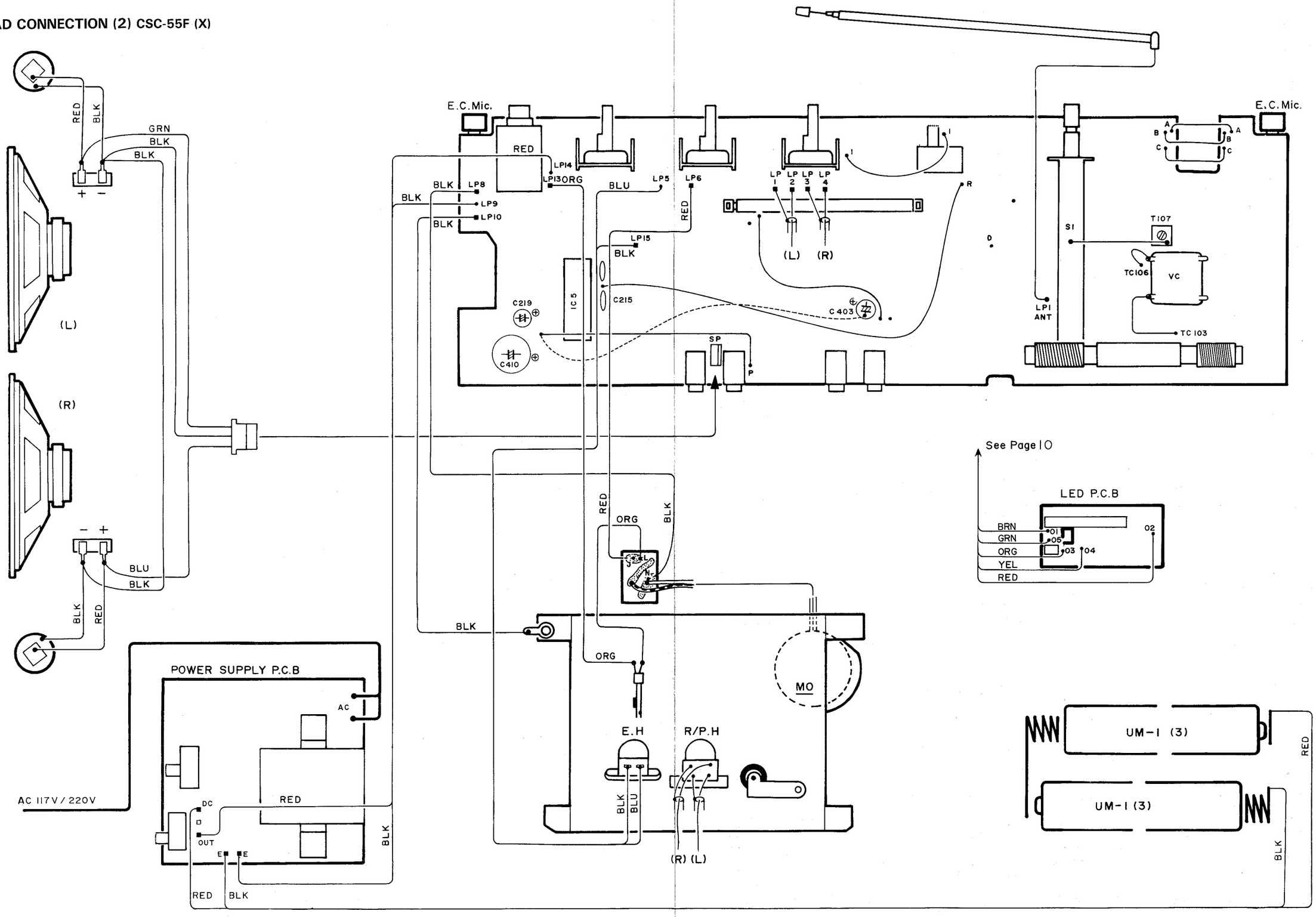
NOTE: This circuit is a standard circuit but is subject to change without notice.



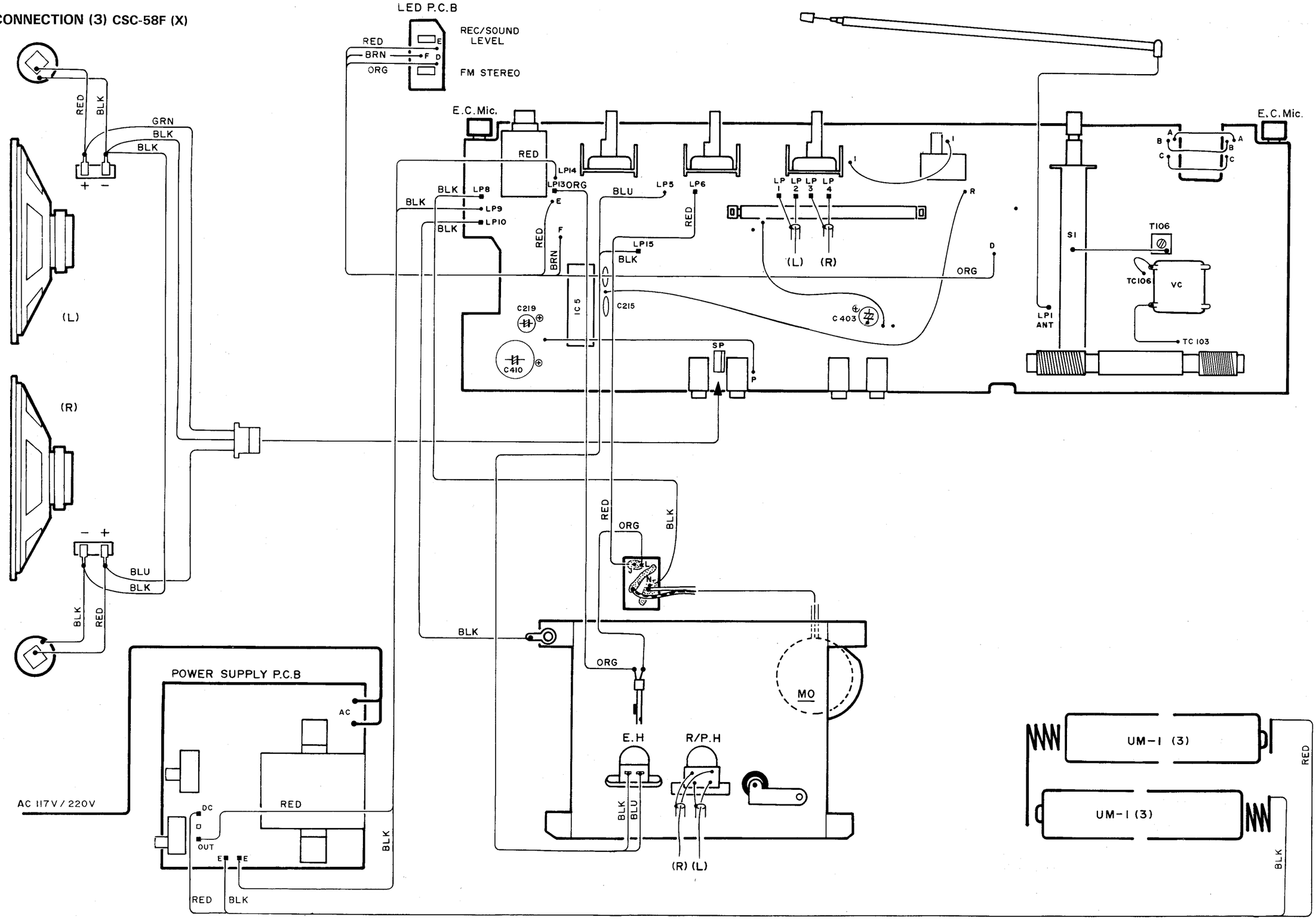
LEAD CONNECTION (1) CSC-53L (E)



LEAD CONNECTION (2) CSC-55F (X)

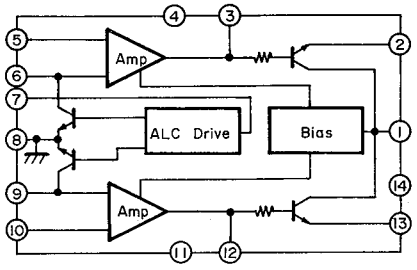


LEAD CONNECTION (3) CSC-58F (X)

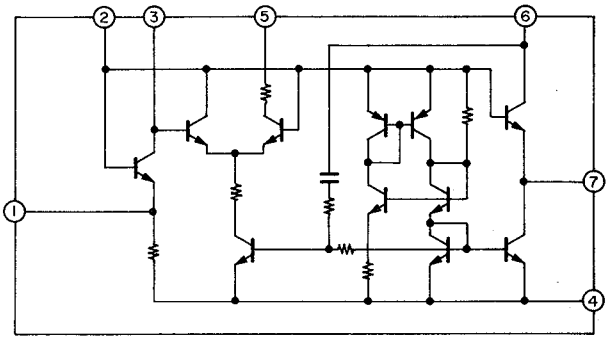


IC BLOCK DIAGRAM

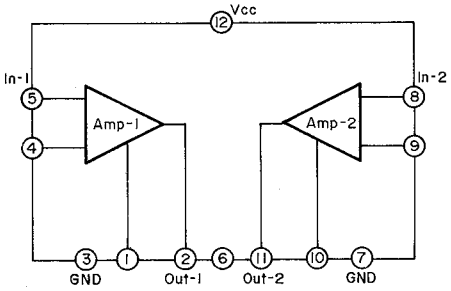
TA 7658P (Pre-Amp)



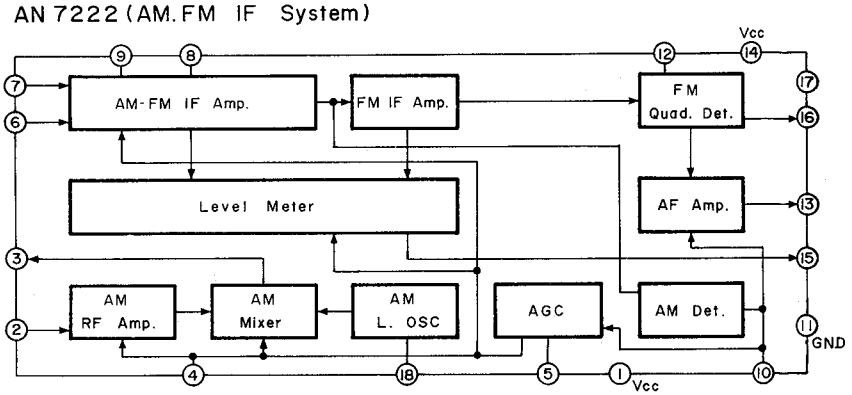
AN 7213 (FM Front-end IC)



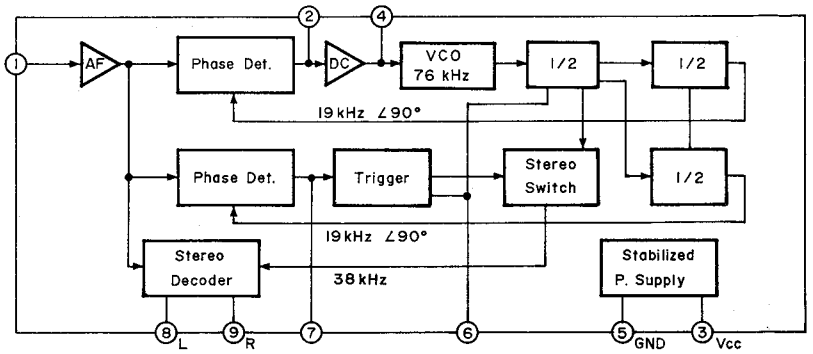
TA 7232P (Power Amp)

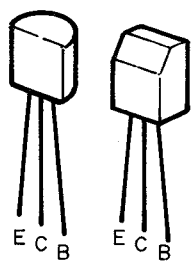


AN 7222 (AM.FM IF System)



TA 7343 (PLL MPX IC)

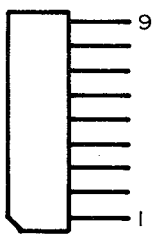




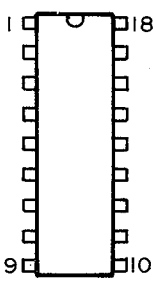
2SC 460

2SC 1317
2320

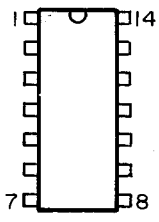
AN 7213



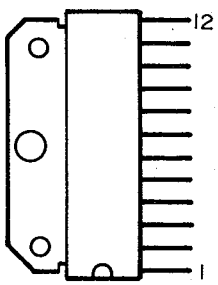
TA 7343P



AN 7222



TA 7658P



TA 7232P

REPLACEMENT PARTS LIST (1)

CSC-53L (E)

MAIN COMPONENT PARTS

Stock No. with "★" can not be supplied.

Ref. No.	Stock No.	Description		Q'ty	Remarks
1	★ 9633911	Front Cabinet Ass'y		1	
2	★ 9628612	Rear Cabinet Ass'y		1	
3	★ 9628630	Mechanism Ass'y		1	
4	★ 9633960	Main Chassis Ass'y		1	
5	★ 9633990	Carton Box Ass'y		1	
6	1215072	Dial Knob	R81302-009 (I)	1	
7	1225208	Volume Knob	R81302-010 (I)	3	
8	1245359	Selector Knob	R81302-011 (I)	1	
9	1245360	Slide Knob	R81302-012 (I)	2	
10	1485429	Dial Scale	R81303-003 (I)	1	
11	1655138	Battery Lid	R81302-006 (I)	1	
	4275098	Instruction Book	R-937B	1	
	4220107	Warranty Card	A-115	1	
	1475788	Name Label	R82067-002A (I)	1	
	7660195	AC Cord	AM-YS-195	1	
	4491213	Polyethylene Bag B	600×400×0.05	1	
100	3311185	PHT Screw	A3×20 S/Z	5	

1. FRONT CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1	★ 9633075	Cassette Holder Ass'y		1	
1-2	1115466	Front Cabinet	R82067-001 (RO)	1	
1-3	1715643	Dial Scale Cover	R81302-003 (I)	1	
1-4	1385141	Tweeter Cap	R81302-035 (I)	2	
1-5	1445422	Brand Plate	R82067-003 (I)	1	
1-6	2185066	Cord Cramp	R754-153	1	
1-7	3815131	Spring-3	R81302-033	1	
1-8	4165025	Reflection Paper (Orange)	R7057-33404	1	
1-9	7420306	Speaker	AM-P-306	2	10cm 4Ω
1-10	7420284	Speaker	AM-P-284	2	2.7cm (Piezo-electric)
1-11	7710416	Connector (3P)	AM-Z-416	1	
1-12	3825977	Leaf Spring-2	R81302-042	1	
101	3311205	WFT Screw	A3×8 S/Z	13	

1-1. CASSETTE HOLDER ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1-1	2165278	Cassette Holder	R82066-002 (I)	1	
1-1-2	2655098	Cushion Rubber	R7553-050	2	
1-1-3	3825982	Leaf Spring	R82066-003	2	

2. REAR CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
2-1	★ 9628576	Handle Ass'y		1	
2-2	★ 9628653	Power Supply PCB Ass'y		1	
2-3	1615487	Rear Cabinet	R81304-001A (I)	1	
2-4	2295615	Handle Bracket	R81302-021 (I)	2	
2-5	7220154	Rod Antenna	AM-K-154	1	
2-6	2665960	Packing	R7771-016	1	S6
2-7	2365606	+ Battery Terminal	R81302-027	1	
2-8	3815132	− Battery Spring	R81302-037	1	
2-9	3815133	Battery Spring	R81302-038	1	
2-10	2176007	Lug Terminal	3φ	1	Lead Connector (AM-ZE-465)
	7150112	Fuse 250V 800mA	AM-D-112	1	

Ref. No.	Stock No.	Description			Q'ty	Remarks
200	3183310	BH Screw	3×10	B/NI	1	
201	3381310	BHT Screw	A3×10	S/Z	4	
202	3381310	BHT Screw	A3×10	S/Z	1	
203	3381312	BHT Screw	A3×12	S/Z	2	

2-1. HANDLE ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
2-1-1	1285116	Handle	R81302-007 (I)		1	
2-1-2	1285117	Handle Arm	R81302-008 (I)		2	
204	3331111	OCT Screw	A3×12	S/NI	2	

2-2. POWER SUPPLY PCB ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
2-2-1	7121765	PCB	AM-B-1765		1/2	
2-2-2	7530915	Power Transformer	AM-TS-915		1	220V/8.2V (6.7V 0.6A DC)
	8120322	Diode	SR1K-2LF		4	D406~409
	5527103	Ceramic	0,01μF	50V Z	4	C412~415
	7210169	AC Input Jack	AM-J-169		1	
	7150087	Fuse Holder	AM-D-87		2	
	7740206	Print Tip	AM-ZE-206		4	

3. MECHANISM ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
3-1	★ 2835985	Mechanism Unit	R81303-30000		1	TN-33ZFC-107
3-2	1255316	Push Button	R81302-013 (RO)		6	(Chrome Plated)
3-3	2325194	Lever	R81302-025A		1	
3-4	2365619	Counter Bracket	R81303-005A		1	
3-5	2715105	Counter Belt	R81303-007		1	
3-6	7310209	Counter	AM-M-209		1	
3-7	3815137	Spring	R81302-039		1	
3-8	2335402	Shield Plate	R81303-008		1	
3-9	3825976	Leaf Spring-1	R81302-041		1	
300	3610029	BHDT Screw	2.6×5	S/Z	5	

4. MAIN CHASSIS ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
4-1	★ 9628532	Chassis Ass'y			1	
4-2		Not Used				
4-3	★ 9633952	Main PCB Ass'y			1	
4-4	2315195	Dial Pointer	R81302-015 (I)		1	
4-5	2485139	Dial Pulley	R81302-016		1	
4-6	7320146	Condenser Mic.	AM-MC-146		2	
4-7	3790002	Grommet	2×3	B/NI	1	
4-8	3815130	Spring	R81302-032		1	
4-9	5110160	Dial Cord	0.3φ×860mm		1	
400	3111206	PH Screw	2.6×6	S/Z	1	
401	3311181	PHT Screw	A3×8	S/Z	2	
402	3714020	TL Washer E	2.6φ		1	
403	3111308	PH Screw	3×8	S/Z	1	Heat Sink

4-1. CHASSIS ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
4-1-1	2125316	Chassis	R81302-018	1	
4-1-2	2415145	Dial Shaft	R81302-017	1	
4-1-3	2444007	Pulley	P262-204A	3	
4-1-4	3630015	P.S. Washer	3.1ϕ-5.2ϕ×0.25	1	

4-3. MAIN PCB ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
4-3-1	7121756	PCB	AM-B-1756	1	TP Ass'y 9628658
	7200190	IC	TA7343P	1	IC3
	7200191	IC	TA7658AP	1	IC4
	7200192	IC	TA7232P	1	IC5
	7200193	IC	AN7213	1	IC1
	7200194	IC	AN7222	1	IC2
	8113059	Transistor	2SC460B	1	Q101
	8113224	Transistor	2SC1317R	1	Q402
	8113445	Transistor	2SC2320G	3	Q201, 202, 302
	8120282	LED (1P Red)	SEL-1120R	2	D103, 104
	8120412	Diode (Zener)	HZ6C-2	1	D403, (Vz 6.0~6.3)
	8123006	Diode	US1040TA	6	D201,202,301,302,401,402
	2335399	Heat Sink	R81302-029	1	
	7210104	5P DIN Jack	AM-J-104	1	J402
	7210123	US-type Jack 3.5ϕ	AM-J-123	4	J201, 202, 301, 302
	7210174	Headphone Jack 6.5ϕ	AM-J-174	1	J401
	7230213	Antenna Coil	AM-LA-213	1	L101 (FM)
	7230639	Bar Antenna Coil	AM-LA-639	1	L104 (LW, MW)
	7230641	Antenna Coil	AM-LA-641	1	T103 (SW)
	7250662	IFT	AM-LI-662	1	T101 (FM)
	7250682	IFT	AM-LI-682	1	T102 (FM)
	7250683	IFT	AM-LI-683	1	T107 (AM)
	7270550	OSC Coil	AM-LO-550	1	T105 (MW)
	7270553	OSC Coil	AM-LO-553	1	T104 (SW)
	7270554	OSC Coil	AM-LO-554	1	T106 (LW)
	7270555	OSC Coil	AM-LO-555	1	T401 (Rec. Bias)
	7290522	Choke Coil (47mH)	AM-LS-522	2	L201, 301
	7290558	OSC Coil (0.09μH)	AM-LS-558	1	L103 (FM)
	7290531	FM RF Coil (0.14μH)	AM-LS-531	1	L102 (FM)
	7460684	Slide Switch	AM-S-684	1	S2 (Function)
	7460857	Slide Switch	AM-S-857	1	S3 (Rec./PB)
	7460963	Rotary Slide Switch	AM-S-963	1	S1 (Band Selector)
	7460992	Slide Switch	AM-S-992	1	S6 (OSC 1, 2, 3)
	7460993	Slide Switch	AM-S-993	1	S8 (Stereo/Mono)
	7560269	Trimmer Condenser	AM-VC-269	2	TC104, 105, 107, 108
	7560323	Variable Condenser	AM-VC-323	1	VC101
	7640122	Ceramic Filter	AM-X-122	1	CF101 (10.7MHz)
	7640137	Ceramic Filter	AM-X-137	1	CF102 (465kHz)
	7710317	Connector Pin	AM-Z-317	1	Antenna
	7740433	Plug (3P)	AM-ZE-433	1	SP
	5582070	Ceramic	7pF 50V D RH	1	C108
	5584150	Ceramic	15pF 50V J RH	2	C104, 106
	8700177	Ceramic	5pF 50V D	1	C114
	8700674	Ceramic	0.001μF 50V K B	1	C103
	8700689	Ceramic	0.01μF 50V K B	1	C110
	8864102	Mylar	0.01μF 50V K	1	C411
	8864103	Mylar	0.001μF 50V K	1	C141
	8864182	Mylar	0.018μF 50V K	2	C143, 144
	8864222	Mylar	0.022μF 50V K	2	C126, 130
	8864223	Mylar	0.0022μF 50V K	2	C211, 311
	8864683	Mylar	0.0068μF 50V K	1	C412
	8865102	Mylar	0.01μF 50V K	2	C206, 306
	8865151	Mylar	0.15μF 50V K	2	C218, 318

Ref. No.	Stock No.	Description	Q'ty	Remarks
	8683013	Styrol 330pF 125V J	1	C415
	8684002	Styrol 1000pF 125V K	1	C413
	8441223	Electrolytic 2200μF 16V M	1	C410
	8441102	Electrolytic 100μF 16V M	1	C409
	7581014	Volume 50kΩ-A AM-VR-1014	2	VR201, 301 (Vol. L, R)
	7581015	Volume 50kΩ-B AM-VR-1015	1	VR202, 302 (Tone)
	7580876	Semi-fixed 5kΩ-B	1	VR-101
	8233471	Solid 47Ω 1/2W J	1	R124
		Omitted. 1/8W Resistors		

5. CARTON BOX ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
	4416588	Carton Box ZPK-A6588	1	
	4426211	Cushion-1 ZPK-B6211	1	(Top. L)
	4462212	Cushion-2 ZPK-B6212	1	(Top. R)
	4426213	Cushion-3 ZPK-B6213	1	(Bottom L)
	4426214	Cushion-4 ZPK-B6214	1	(Bottom R)
	4446066	Board-1 ZPK-D6060	1	

REPLACEMENT PARTS LIST (2)

CSC-55F (X)

MAIN COMPONENT PARTS

Stock No. with "★" can not be supplied.

Ref. No.	Stock No.	Description		Q'ty	Remarks
1	★ 9633011	Front Cabinet Ass'y		1	
2	★ 9628512	Rear Cabinet Ass'y		1	
3	★ 9628530	Mechanism Ass'y		1	
4	★ 9633060	Main Chassis Ass'y		1	
5	★ 9633090	Carton Box Ass'y		1	
6	1215072	Dial Knob	R81302-009 (I)	1	
7	1225208	Volume Knob	R81302-010 (I)	3	
8	1245359	Selector Knob	R81302-011 (I)	1	
9	1245360	Slide Knob	R81302-012 (I)	1	
10	1485454	Dial Scale	R82032-001 (I)	1	
11	1655138	Battery Lid	R81302-006 (I)	1	
12		Not Used			
	4275077	Instruction Book	R-930A	1	
	1475774	Name Label	R82032-002 (I)	1	
	4491213	Polyethylene Bag B	600×400×0.05	1	
100	3311185	PHT Screw	A3×20 S/Z	5	

1. FRONT CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1	★ 9633075	Cassette Holder Ass'y		1	
1-2	1115451	Front Cabinet	R82066-001 (I)	1	
1-3	1715643	Dial Scale Cover	R81302-003 (I)	1	
1-4	1385141	Tweeter Cap	R81302-035 (I)	2	
1-5	1445363	Brand Plate	R81302-024 (I)	1	
1-6	2185066	Cord Cramp	R754-153	1	
1-7	3815131	Spring-3	R81302-033	1	
1-8	4165025	Reflection Paper (Orange)	R7057-33404	1	
1-9	7420306	Speaker	AM-P-306	2	10cm 4Ω
1-10	7420284	Speaker	AM-P-284	2	2.7cm (Piezo-electric)
1-11	7710416	Connector (3P)	AM-Z-416	1	
101	3311205	WFT Screw	A3×8 S/Z	13	

1-1. CASSETTE HOLDER ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1-1	2165278	Cassette Holder	R82066-002 (I)	1	
1-1-2	2655098	Cushion Rubber	R7553-050	2	
1-1-3	3825982	Leaf Spring	R82066-003	2	

2. REAR CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
2-1	★ 9628576	Handle Ass'y		1	
2-2	★ 9628553	Power Supply PCB Ass'y		1	
2-3	1615500	Rear Cabinet	R81302-002B (I)	1	
2-4	2295615	Handle Bracket	R81302-021 (I)	2	
2-5	7220154	Rod Antenna	AM-K-154	1	
2-6		Not Used			
2-7	2365606	+ Battery Terminal	R81302-027	1	
2-8	3815132	− Battery Spring	R81302-037	1	
2-9	3815133	Battery Spring	R81302-038	1	
2-10	2176007	Lug Terminal	3φ	1	Lead Connector (AM-ZE-465)
2-11	7660319	AC Cord	AM-YS-319	1	
2-12	2165078	Cord Holder	R7185-005	1	
2-13	2165117	Cord Holder-2	R7574-022	1	

Ref. No.	Stock No.	Description			Q'ty	Remarks
200	3183310	BH Screw	3×10	B/NI	1	
201	3381310	BHT Screw	A3×10	S/Z	4	
202	3381310	BHT Screw	A3×10	S/Z	1	
203	3381312	BHT Screw	A3×12	S/Z	2	
205	3311183	PHT Screw	A3×12	S/Z	2	

2-1. HANDLE ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
2-1-1	1285116	Handle	R81302-007 (I)		1	
2-1-2	1285117	Handle Arm	R81302-008 (I)		2	
204	3331111	OCT Screw	A3×12	S/NI	2	

2-2. POWER SUPPLY PCB ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
2-2-1	7121757	PCB	AM-B-1757		1/2	
2-2-2	7530910	Power Transformer	AM-TS-910		1	117/220V
	8120322	Diode	SR1K-2LF		4	D406~409
	5527103	Ceramic	0,01μF	50V Z	4	C412~415
	7460961	Slide Switch	AM-S-961		1	S5 (AC/DC Selector)
	7460962	Slide Switch	AM-S-962		1	S6 (117/220V Selector)
	7740206	Print Tip	AM-ZE-206		4	

3. MECHANISM ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
3-1	★ 2835977	Mechanism Unit	R81302-30000		1	TN-33ZFC-107-1
3-2	1255316	Push Button	R81302-013 (RO)		6	(Chrome Plated)
3-3	2325194	Lever	R81302-025A		1	
3-4		Not Used				
3-5		Not Used				
3-6		Not Used				
3-7	3815137	Spring	R81302-039		1	
3-8	2335402	Shield Plate	R81303-008		1	
3-9	3825976	Leaf Spring-1	R81302-041		1	
300	3610029	BHDT Screw	2.6×5	S/Z	3	

4. MAIN CHASSIS ASS'Y

Ref. No.	Stock No.	Description			Q'ty	Remarks
4-1	★ 9628532	Chassis Ass'y			1	
4-2	9633065	LED PCB Ass'y			1	
4-3	★ 9633052	Main PCB Ass'y			1	
4-4	2315195	Dial Pointer	R81302-015 (I)		1	
4-5	2485139	Dial Pulley	R81302-016		1	
4-6	7320146	Condenser Mic.	AM-MC-146		2	
4-7	3790002	Grommet	2×3	B/NI	1	
4-8	3815130	Spring	R81302-032		1	
4-9	5110160	Dial Cord	0.3φ×860mm		1	
400	3111206	PH Screw	2.6×6	S/Z	1	
401	3311181	PHT Screw	A3×8	S/Z	2	
402	3714020	TL Washer E	2.6φ		1	

4-1. CHASSIS ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
4-1-1	2125316	Chassis R81302-018	1	
4-1-2	2415145	Dial Shaft R81302-017	1	
4-1-3	2444007	Pulley P262-204A	3	
4-1-4	3630015	P.S. Washer 3.1ϕ-5.2ϕ×0.25	1	

4-2. LED PCB ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
4-2-1	7121811	PCB AM-B-1811	1	
	7200210	IC AN 6884	1	U6
	7710433	LED (5P Red) AM-Z-433	1	D103
	8120457	LED (1P Red) SLP-155B	1	D104
	5545102	Ceramic 0.001μF 50V K B	1	C502
	5713100	Electrolytic 10μF 16V M	1	C504
	5713479	Electrolytic 4.7μF 16V M	1	C501
	5716010	Electrolytic 1.0μF 50V M	1	C503
	5922560	Carbon 56Ω 1/4W J	1	R504
		Omitted. 1/8W Resistors		

4-3. MAIN PCB ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
4-3-1	7121756	PCB AM-B-1756	1	TP Ass'y 9633058
	7200190	IC TA7343P	1	IC3
	7200191	IC TA7658AP	1	IC4
	7200192	IC TA7232P	1	IC5
	7200193	IC AN7213	1	IC1
	7200194	IC AN7222	1	IC2
	8113059	Transistor 2SC460B	1	Q101
	8120412	Diode (Zener) HZ6C-2	1	D403, (Vz 6.0~6.3)
	8123006	Diode US1040TA	4	D201,202,301,302
	2335399	Heat Sink R81302-029	1	
	7210123	US-type Jack 3.5ϕ AM-J-123	4	J201, 202, 301, 302
	7210174	Headphone Jack 6.5ϕ AM-J-174	1	J401
	7230213	Antenna Coil AM-LA-213	1	L101 (FM)
	7230638	Bar Antenna Coil AM-LA-638	1	L104 (MW, SW_1)
	7230640	Antenna Coil AM-LA-640	1	T103 (SW_2)
	7250662	IFT AM-LI-662	1	T101 (FM)
	7250682	IFT AM-LI-682	1	T102 (FM)
	7250683	IFT AM-LI-683	1	T107 (AM)
	7270550	OSC Coil AM-LO-550	1	T106 (MW)
	7270551	OSC Coil AM-LO-551	1	T104 (SW_2)
	7270525	OSC Coil AM-LO-525	1	T105 (SW_1)
	7290558	OSC Coil (0.09μH) AM-LS-558	1	L103 (FM)
	7290031	FM RF Coil AM-LS-031	1	L102 (FM)
	7460684	Slide Switch AM-S-684	1	S2 (Function)
	7460857	Slide Switch AM-S-857	1	S3 (Rec./PB)
	7460963	Rotary Slide Switch AM-S-963	1	S1
	7560269	Trimmer Condenser AM-VC-269	2	TC104, 105, 107, 108
	7560323	Variable Condenser AM-VC-323	1	VC101
	7640122	Ceramic Filter AM-X-122	1	CF101 (10.7MHz)
	7640135	Ceramic Filter AM-X-135	1	CF102 (455kHz)
	7710317	Connector Pin AM-Z-317	1	
	7740433	Plug (3P) AM-ZE-433	1	SP
	5582070	Ceramic 7pF 50V D RH	1	C108
	5584150	Ceramic 15pF 50V J RH	2	C104, 106
	8700177	Ceramic 5pF 50V D	1	C113
	8700674	Ceramic 0.001μF 50V K B	1	C103
	8700689	Ceramic 0.01μF 50V K B	1	C110
	8441223	Electrolytic 2200μF 16V M	1	C410
	8441102	Electrolytic 100μF 16V M	1	C409

Ref. No.	Stock No.	Description	Q'ty	Remarks
	8864103	Mylar 0.001μF 50V K	1	C141
	8864182	Mylar 0.018μF 50V K	2	C143, 144
	8864222	Mylar 0.022μF 50V K	2	C126, 130
	8864223	Mylar 0.0022μF 50V K	2	C211, 311
	8865102	Mylar 0.01μF 50V K	2	C206, 306
	8865151	Mylar 0.15μF 50V K	2	C218, 318
	7581014	Volume 50kΩ-A AM-VR-1014	2	VR201, 301 (Vol. L, R)
	7581015	Volume 50kΩ-B AM-VR-1015	1	VR202, 302 (Tone)
	7580876	Semi-fixed 5kΩ-B	1	VR-101
		Omitted. 1/8W Resistors		

5. CARTON BOX ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
	4416582	Carton Box ZPK-A6582	1	
	4426211	Cushion-1 ZPK-B6211	1	(Top. L)
	4462212	Cushion-2 ZPK-B6212	1	(Top. R)
	4426213	Cushion-3 ZPK-B6213	1	(Bottom L)
	4426214	Cushion-4 ZPK-B6214	1	(Bottom R)
	4446066	Board-1 ZPK-D6066	1	

REPLACEMENT PARTS LIST (3)

CSC-58F (X)

MAIN COMPONENT PARTS

Stock No. with "★" can not be supplied.

Ref. No.	Stock No.	Description		Q'ty	Remarks
1	★ 9631411	Front Cabinet Ass'y		1	
2	★ 9631412	Rear Cabinet Ass'y		1	
3	★ 9628530	Mechanism Ass'y		1	
4	★ 9631460	Main Chassis Ass'y		1	
5	★ 9631490	Carton Box Ass'y		1	
6	1215072	Dial Knob	R81302-009 (I)	1	
7	1225208	Volume Knob	R81302-010 (I)	3	
8	1245359	Selector Knob	R81302-011 (I)	1	
9	1245360	Slide Knob	R81302-012 (I)	1	
10	1485449	Dial Scale	R81302-028 (RO)	1	
11	1655138	Battery Lid	R81302-006 (I)	1	
12	1715644	Holder Cover	R81302-005 (I)	1	
	4275066	Instruction Book	R-921A	1	
	1475765	Name Label	R82040-001 (I)	1	
	4491213	Polyethylene Bag B	600×400×0.05	1	
100	3311185	PHT Screw	A3×20 S/Z	5	

1. FRONT CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1	★ 9628575	Cassette Holder Ass'y		1	
1-2	1115445	Front Cabinet	R81302-001 (RO)	1	
1-3	1715643	Dial Scale Cover	R81302-003 (I)	1	
1-4	1385141	Tweeter Cap	R81302-035 (I)	2	
1-5	1445363	Brand Plate	R81302-024 (I)	1	
1-6	2185066	Cord Cramp	R754-153	1	
1-7	3815131	Spring-3	R81302-033	1	
1-8	4165025	Reflection Paper (Orange)	R7057-33404	1	
1-9	7420306	Speaker	AM-P-306	2	10cm 4Ω
1-10	7420284	Speaker	AM-P-284	2	2.7cm (Piezo-electric)
1-11	7710416	Connector (3P)	AM-Z-416	1	
1-12	3825977	Leaf Spring	R81302-042	1	
101	3311205	WFT Screw	A3×8 S/Z	13	

1-1. CASSETTE HOLDER ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
1-1-1	2165268	Cassette Holder	R81302-004 (I)	1	
1-1-2	2655098	Cushion Rubber	R7553-050	2	

2. REAR CABINET ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
2-1		Handle Ass'y		1	
2-2	★ 9628553	Power Supply PCB Ass'y		1	
2-3	1615500	Rear Cabinet	R81302-002B (I)	1	
2-4	2295615	Handle Bracket	R81302-021 (I)	2	
2-5	7220154	Rod Antenna	AM-K-154	1	
2-6		Not Used			
2-7	2365606	+ Battery Terminal	R81302-027	1	
2-8	3815132	− Battery Spring	R81302-037	1	
2-9	3815133	Battery Spring	R81302-038	1	
2-10	2176007	Lug Terminal	3φ	1	Lead Connector (AM-ZE-465)
2-11	7660319	AC Cord	AM-YS-319	1	
2-12	2165078	Cord Holder	R7185-005	1	
2-13	2165117	Cord Holder-2	R7574-022	1	

Ref. No.	Stock No.	Description	Q'ty	Remarks
200	3183310	BH Screw 3×10 B/NI	1	
201	3381310	BHT Screw A3×10 S/Z	4	
202	3381310	BHT Screw A3×10 S/Z	1	
203	3381312	BHT Screw A3×12 S/Z	2	
205	3311183	PHT Screw A3×12 S/Z	2	

2-1. HANDLE ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
2-1-1	1285116	Handle R81302-007 (I)	1	
2-1-2	2375046	Handle Arm R81302-008 (RO)	2	
204	3331111	OCT Screw A3×12 S/NI	2	

2-2. POWER SUPPLY PCB ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
2-2-1	7121757	PCB AM-B-1757	1/2	
2-2-2	7530910	Power Transformer AM-TS-910	1	117/220V
	8120322	Diode SR1K-2LF	4	D406~409
	5527103	Ceramic 0,01μF 50V Z	4	C412~415
	7460961	Slide Switch AM-S-961	1	S5 (AC/DC Selector)
	7460962	Slide Switch AM-S-962	1	S6 (117/220V Selector)
	7740206	Print Tip AM-ZE-206	4	

3. MECHANISM ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
3-1	★ 2835977	Mechanism Unit R81302-30000	1	TN-33ZFC-107-1
3-2	1255316	Push Button R81302-013 (RO)	6	(Chrome Plated)
3-3	2325194	Lever R81302-025A	1	
3-4		Not Used		
3-5		Not Used		
3-6		Not Used		
3-7	3815137	Spring R81302-039	1	
3-8	2335402	Shield Plate R81303-008	1	
3-9	3825976	Leaf Spring-1 R81302-041	1	
300	3610029	BHDT Screw 2.6×5 S/Z	3	

4. MAIN CHASSIS ASS'Y

Ref. No.	Stock No.	Description	Q'ty	Remarks
4-1	★ 9628532	Chassis Ass'y	1	
4-2		Not Used		
4-3	★ 9628552	Main PCB Ass'y	1	
4-4	2315209	Dial Pointer R81302-015 (NI)	1	
4-5	2485139	Dial Pulley R81302-016	1	
4-6	7320146	Condenser Mic. AM-MC-146	2	
4-7	3790002	Grommet 2×3 B/NI	1	
4-8	3815130	Spring R81302-032	1	
4-9	5110160	Dial Cord 0.3φ×860mm	1	
400	3111206	PH Screw 2.6×6 S/Z	1	
401	3311181	PHT Screw A3×8 S/Z	2	
402	3714020	TL Washer E 2.6φ	1	

4-1. CHASSIS ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
4-1-1	2125316	Chassis	R81302-018	1	
4-1-2	2415145	Dial Shaft	R81302-017	1	
4-1-3	2444007	Pulley	P262-204A	3	
4-1-4	3630015	P.S. Washer	3.1ϕ-5.2ϕ×0.25	1	

4-3. MAIN PCB ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
4-3-1	7121756	PCB	AM-B-1756	1	TP Ass'y 9628558
	7200190	IC	TA7343P	1	IC3
	7200191	IC	TA7658AP	1	IC4
	7200192	IC	TA7232P	1	IC5
	7200193	IC	AN7213	1	IC1
	7200194	IC	AN7222	1	IC2
	8113059	Transistor	2SC460B	1	Q101
	8113445	Transistor	2SC2320G	1	Q201
	8120282	LED (1P Red)	SEL-1120R	2	D103, 104
	8120412	Diode (Zener)	HZ6C-2	1	D403, (Vz 6.0~6.3)
	8123006	Diode	US1040TA	6	D201,202,301,302,401,402
	2335399	Heat Sink	R81302-029	1	
	7210123	US-type Jack 3.5ϕ	AM-J-123	4	J201, 202, 301, 302
	7210130	Headphone Jack 6.5ϕ	AM-J-130	1	J401
	7230213	Antenna Coil	AM-LA-213	1	L101 (FM)
	7230638	Bar Antenna Coil	AM-LA-638	1	L104 (MW, SW_1)
	7230640	Antenna Coil	AM-LA-640	1	T103 (SW_2)
	7250662	IFT	AM-LI-662	1	T101 (FM)
	7250682	IFT	AM-LI-682	1	T102 (FM)
	7250683	IFT	AM-LI-683	1	T107 (AM)
	7270550	OSC Coil	AM-LO-550	1	T106 (MW)
	7270551	OSC Coil	AM-LO-551	1	T104 (SW_2)
	7270525	OSC Coil	AM-LO-525	1	T105 (SW_1)
	7290532	OSC Coil (0.09μH)	AM-LS-532	1	L103 (FM)
	7290533	FM RF Coil (0.14μH)	AM-LS-533	1	L102 (FM)
	7460684	Slide Switch	AM-S-684	1	S2 (Function)
	7460857	Slide Switch	AM-S-857	1	S3 (Rec./PB)
	7460963	Rotary Slide Switch	AM-S-963	1	S1
	7460992	Slide Switch	AM-S-992	1	S7
	7460993	Slide Switch	AM-S-993	1	S8 (Stereo/Mono)
	7560269	Trimmer Condenser	AM-VC-269	2	TC104, 105, 107, 108
	7560323	Variable Condenser	AM-VC-323	1	VC101
	7640122	Ceramic Filter	AM-X-122	1	CF101 (10.7MHz)
	7640135	Ceramic Filter	AM-X-135	1	CF102 (455kHz)
	7710317	Connector Pin	AM-Z-317	1	
	7740433	Plug (3P)	AM-ZE-433	1	SP
	5582070	Ceramic	7pF 50V D RH	1	C108
	5584150	Ceramic	15pF 50V J RH	1	C106
	5584180	Ceramic	18pF 50V J RH	1	C104
	8700177	Ceramic	5pF 50V D	1	C113
	8700674	Ceramic	0.001μF 50V K B	1	C103
	8700689	Ceramic	0.01μF 50V K B	1	C110
	8441223	Electrolytic	2200μF 16V M	1	C410
	8441102	Electrolytic	100μF 16V M	1	C409
	8400310	Electrolytic	0.22μF 25V M	2	C145, 146
	7581014	Volume 50kΩ-A	AM-VR-1014	2	VR201, 301 (Vol. L, R)
	7581015	Volume 50kΩ-B	AM-VR-1015	1	VR202, 302 (Tone)
	7580876	Semi-fixed 5kΩ-B		1	VR-101
		Omitted. 1/8W Resistors			

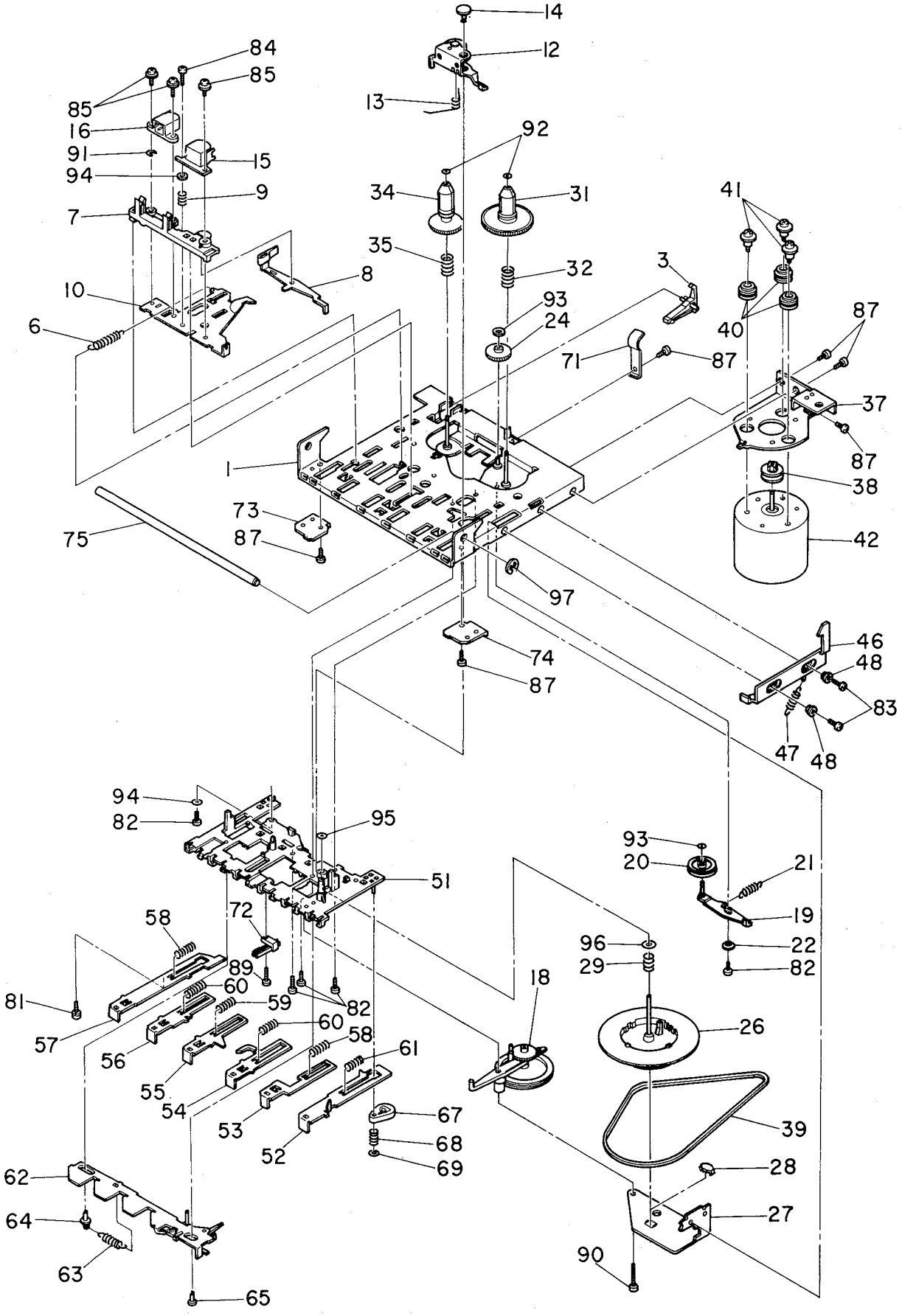
5. CARTON BOX ASS'Y

Ref. No.	Stock No.	Description		Q'ty	Remarks
	4416571	Carton Box	ZPK-A6571	1	
	4426211	Cushion-1	ZPK-B6211	1	(Top. L)
	4462212	Cushion-2	ZPK-B6212	1	(Top. R)
	4426213	Cushion-3	ZPK-B6213	1	(Bottom L)
	4426214	Cushion-4	ZPK-B6214	1	(Bottom R)

EXPLODED VIEW (3) CSC-53L (E), 55F (X), 58F (X)

Mechanism

TN-33ZFC-107...L (E)
TN-33ZFC-107-1...F (X)



MECHANISM UNIT CSC-53L (E), 55F (X), 58F (X)

Ref. No.	Stock No.	Description		Q'ty	Remarks
1		Chassis Ass'y	1800-01-503	1	
2		REC Plate Spring	1510-02-02	1	
3		REC Safety Lever	1800-02-01	1	
4					
5					
6		Head Panel	1800-03-01	1	
7		Head Base	1800-03-05	1	
8		Sensing Plate	1800-03-303	1	
9		Spring	1440-03-15	1	
10		Spring	1800-03-03	1	
11					
12	0002736	Pinch Roller Ass'y	1800-04-301	1	
13		Spring	1800-04-03	1	
14		Stopper	1715-20-15	1	
15	0002733	Head (Rec/Play)	71-20-01	1	Sankyo
16	0002734	Head (Erace)	90-10-05	1	Sankyo F(X)...107-1
*	0002742	Head (Erace)	36-11-01	1	Sankyo L(E)...107
18	0002741	RF Pulley Arm Ass'y	1800-06-301	1	
19		Take-up Roller Arm	1800-06-501	1	
20	0002746	Take-up Roller Arm	1800-06-05	1	
21		Spring	1800-06-08	1	
22		Collar	1800-06-09	1	
23					
24	0002740	FF Gear	1800-06-10	1	
25					
26	0002745	Flywheel Capstan	1800-07-303	1	
27		Flywheel Holder	1800-07-05	1	
28		Flywheel Plate	1200-09-06	1	
29		Spring	1800-07-07	1	
30					
31	0002737	Take-up Reel Ass'y	1800-05-301	1	
32		Spring	1800-05-08	1	
33					
34	0002738	Supply Reel Ass'y	1800-05-302	1	
35		Spring	1800-05-07	1	
36					
37		Motor Bracket	1700-10-31	1	
38	0002744	Motor Pulley	1800-10-01	1	
39	0002735	Belt	1800-10-07	1	
40		Motor Rubber	588-09-10	3	
41		Collar Screw (S)	1200-12-01	3	
42	0002732	Motor	R14-5056	1	9V 2400rpm CCW
46		EJECT Slide Lever C	1800-11-03	1	
47		Spring	1247-12-02	1	
48		Collar	1510-11-03	2	
51		Push Button Base	1800-09-49	1	
52		PAUSE Lever	1800-09-504	1	
53		STOP Lever	1800-09-30	1	
54		FF Lever	1800-09-29	1	
55		RWD Lever	1800-09-28	1	
56		PLAY Lever	1800-09-27	1	
57		REC Lever	1800-09-26	1	
58		Spring	1800-09-03	2	
59		Spring	1800-09-05	1	
60		Spring	1800-09-07	2	
61		Spring	1800-09-57	1	
62		Actuator Plate Ass'y	1800-09-502	1	
63		Spring	1800-09-19	1	
64		Actuator Shaft (B)	1700-09-21	1	
65		Actuator Shaft	1800-09-17	1	
67		PAUSE Lever	1222-17-02	1	
68		Spring	1222-17-03	1	
69		PAUSE Lever Stopper	1700-09-35	1	
70					
71		Pack Spring	1700-01-04	1	
72	0002743	Leaf Switch	LSA-1120C	1	

Ref. No.	Stock No.	Description		Q'ty	Remarks
73		Side Bracket-L	1700-08-05	1	
74		Side Bracket-R	1700-08-10	1	
75		Push Button Shaft	1700-09-77	1	
81		PHS Screw 2×3	9076-00-00	1	
82		PHT Screw 2×4	9180-00-00	5	
83		PHT Screw 2.6×5		1	
84		PH Screw 2×7		1	
85		PH Screw 2×7		1	
86		PH Screw 2×8		2	
87		PHT Screw 2.6×4	9277-00-00	6	
88		PH Screw 2.6×5	9039-00-00	1	
89		PHT Screw 2×6	9674-00-00	1	
90		PHT Screw 2×8	9675-00-00	1	
91		Washer 0.3t	9714-00-00	2	
92		Washer 1.6ϕ-3.8ϕ×0.3	9743-00-00	2	PSW
93		Washer 1.2ϕ-3ϕ×0.25	9421-00-00	2	PSW
94		Washer 2.1ϕ-5ϕ×0.4	9312-00-00	2	
95		Washer 1.8ϕ-5ϕ×0.5	9361-00-00	1	Nylon
96		Washer 2.1ϕ-7ϕ×0.5	9373-00-00	1	Nylon
97		E Ring 3.2ϕ		1	

HARDWARE NOMENCLATURE

FH (**F**lat Fillister **H**ead) Screw
OH (**O**val Fillister **H**ead) Screw
FC (**F**lat **C**ountersunk Head) Screw
OC (**O**val **C**ountersunk Head) Screw
RH (**R**ound **H**ead) Screw
PH (**P**an **H**ead) Screw
BH (**B**inding **H**ead) Screw
TH (**T**russ **H**ead) Screw
WF (**W**asher **F**aced Head) Screw
PW (**P**oly-**W**ave) Screw
--S (--**S**EMS) Screw
--H (--**H**IOS) Screw
--W (--**W**ood) Screw

--T (--**T**apping) Screw A
--T (--**T**apping) Screw B
--DT (--**DT** Tapping) Screw
HS (**H**exagon **S**ocket Head) Screw
SS (**S**lotted **S**ocket Head) Screw
E Ring
G Ring
Spring Washer
Washer (Poly-slider)
TL (**T**oothed **L**ock) Washer I
TL (**T**oothed **L**ock) Washer E
Lock Washer
Lug Terminal

EXAMPLE: WFT Screw **A3** (D) × **10** (L)

Printed in Japan
JAN. 83 T-1300A